STR-DA5400ES

SERVICE MANUAL

Ver. 1.0 2008.08

US Model
Canadian Model
AEP Model
UK Model



- "Neural-THX" and "neural THX" introduced in the Operating Instructions and displayed in the display window and on the GUI menu screen mean Neural-THX Surround.

This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

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SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (US model)
With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 120 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

POWER OUTPUT

Rated Power Output at Stereo Mode [1) 2)]
(8 ohms 20 Hz – 20 kHz, THD 0.09%):
120 W + 120 W

Reference Power Output at Stereo Mode
(4 ohms 20 Hz – 20 kHz, THD 0.15%):
120 W + 120 W

Reference Power Output
(8 ohms 1 kHz, THD 0.7%)
FRONT[2)]:
130 W + 130 W
CENTER[2)]: 130 W
SURROUND[2)]:
130 W + 130 W
SURROUND BACK[2)]:
130 W + 130 W

Reference Power Output
(4 ohms 1 kHz, THD 0.7%)
FRONT[2)]:
120 W + 120 W
CENTER[2)]: 120 W
SURROUND[2)]:
120 W + 120 W
SURROUND BACK[2)]:
120 W + 120 W

[1)] Depending on the sound field settings and the source, there may be no sound output.
[2)] Measured under the following conditions:
Power requirements: 120 V AC, 60 Hz (in U.S.A. and Canada), 230 V AC, 50/60 Hz (in Europe and general area)

Frequency response

PHONO	RIAA equalization curve ± 0.5 dB
MULTI CHANNEL INPUT, SA-CD/CD, TAPE, MD, TV, VIDEO 1/2, BD, DVD, SAT	10 Hz – 100 kHz ± 3 dB

Inputs (Analog)

PHONO	Sensitivity: 2.5 mV Impedance: 50 kohms S/N: 90 dB (A, 20 kHz LPF)
MULTI CHANNEL INPUT, SA-CD/CD, TAPE, MD, TV, VIDEO 1/2, BD, DVD, SAT	Sensitivity: 150 mV Impedance: 50 kohms S/N: 100 dB (A, 20 kHz LPF)

Inputs (Digital)

BD, DVD, SA-CD/CD (Coaxial)	Impedance: 75 ohms S/N: 96 dB (A, 20 kHz LPF)
VIDEO 1, TV, SAT, TAPE, MD (Optical)	S/N: 96 dB (A, 20 kHz LPF)

Outputs

TAPE (REC OUT), MD (REC OUT), VIDEO 1, ZONE 2, ZONE 3 (AUDIO OUT)	Voltage:150 mV Impedance: 1 kohm
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUBWOOFER	Voltage: 2 V Impedance: 1 kohm

FM tuner section

Tuning range 87.5 – 108.0 MHz
Antenna (aerial) FM wire antenna (aerial)
Antenna (aerial) terminals
75 ohms, unbalanced

AM tuner section

Tuning range

Area	Tuning scale	
	10 kHz step	9 kHz step
U.S.A. , Canada	530 – 1,710 kHz	531 – 1,710 kHz
Europe	–	531 – 1,602 kHz

Intermediate frequency
450 kHz
Antenna (aerial) Loop antenna (aerial)

Video section

Inputs/Outputs
Video: 1 Vp-p, 75 ohms
COMPONENT VIDEO:
Y: 1 Vp-p, 75 ohms
P_B/C_B: 0.7 Vp-p, 75 ohms
P_R/C_R: 0.7 Vp-p, 75 ohms
80 MHz HD Pass Through

HDMI Video

Input/Output (HDMI Repeater block)
640 × 480p@60 Hz
720 × 480p@59.94/60 Hz
1280 × 720p@59.94/60 Hz
1920 × 1080i@59.94/60 Hz
1920 × 1080p@59.94/60 Hz
720 × 576p@50 Hz
1280 × 720p@50 Hz
1920 × 1080i@50 Hz
1920 × 1080p@50 Hz
1920 × 1080p@24 Hz

General

Power requirements 120 V AC, 60 Hz (in U.S.A. and Canada)
230 V AC, 50/60 Hz (in Europe and general area)

Power output (DIGITAL MEDIA PORT)
DC OUT:5 V, 700 mA
Power output (ZONE 2 VIDEO OUT)
DC OUT:11 V, 30 mA

Power consumption

Area	
U.S.A.	480 W
Canada	580 VA
Europe	480 W

Power consumption (during standby mode)
0.9 W (when "Control for HDMI" and "RS-232C Control" are set to "OFF")
Dimensions 430 × 175 × 430 mm
(17 × 6 7/8 × 17 inches) (width/height/depth) including projecting parts and controls
Mass (Approx.) 16.5 kg (36 lb 7 oz)

Supplied accessories

Operating Instructions
Quick Setup Guide (1)
GUI Menu List (1)
Optimizer microphone ECM-AC1 (1)
FM wire antenna (aerial) (1)
AM loop antenna (aerial) (1)
AC power cord (mains lead) (1)
Main remote commander (1)
Zone 2/ Zone 3 remote commander (1)
R6 (size-AA) batteries (4)

Design and specifications are subject to change without notice.

MULTI CHANNEL AV RECEIVER

9-889-212-01
2008H05-1

Sony Corporation
Audio&Video Business Group
Published by Sony Techno Create Corporation

SONY®

NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

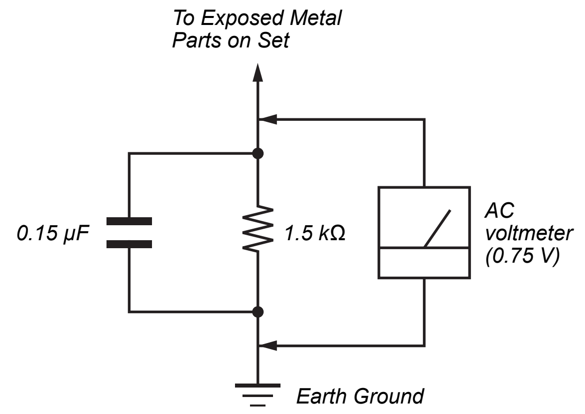


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONET WARNING!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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7. EXPLODED VIEWS

8. ELECTRICAL PARTS LIST

Accessories are given in the last of the electrical parts list.

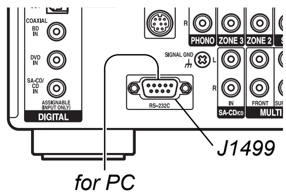
SECTION 1
SERVICING NOTES

UNLEADED SOLDER
Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(**Caution:** Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK
Unleaded solder has the following characteristics.
- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

UPDATE OF SOFTWARE OF IC2513 ON THE CONTROL BOARD, IC3610 ON THE D VIDEO BOARD AND IC5208 ON THE DSP BOARD
Perform operation of the following when the update of software of the IC2513 on the CONTROL board, IC3610 on the D VIDEO board and IC5208 on the DSP board is necessary.

Connect:



Procedure:
1. Connect J1499 on the MAIN board and PC by using the RS-232C cable.
2. Turn on the main power.
3. The update is executed by using PC.
4. When the update ends, turn off the main power.
5. Remove the RS-232C cable from the J1499 on the MAIN board and PC.

MODEL IDENTIFICATION
– Back Panel –



Model	Part No.
US and Canadian models	3-296-122-0□
AEP model	3-296-122-1□
Continental European, East European and Russian models	3-296-122-2□
UK model	3-296-122-5□

NOTE OF REPLACING THE IC3601 ON THE D VIDEO BOARD
Replacement of IC3601 on the D VIDEO board used in this set requires a special tool.

NOTE OF REPLACING THE IC3511, IC3513 AND IC3514 ON THE D VIDEO BOARD
IC3511, IC3513 and IC3514 on the D VIDEO board cannot exchange with single. When these parts on the D VIDEO board are damaged, exchange the entire mounted board.

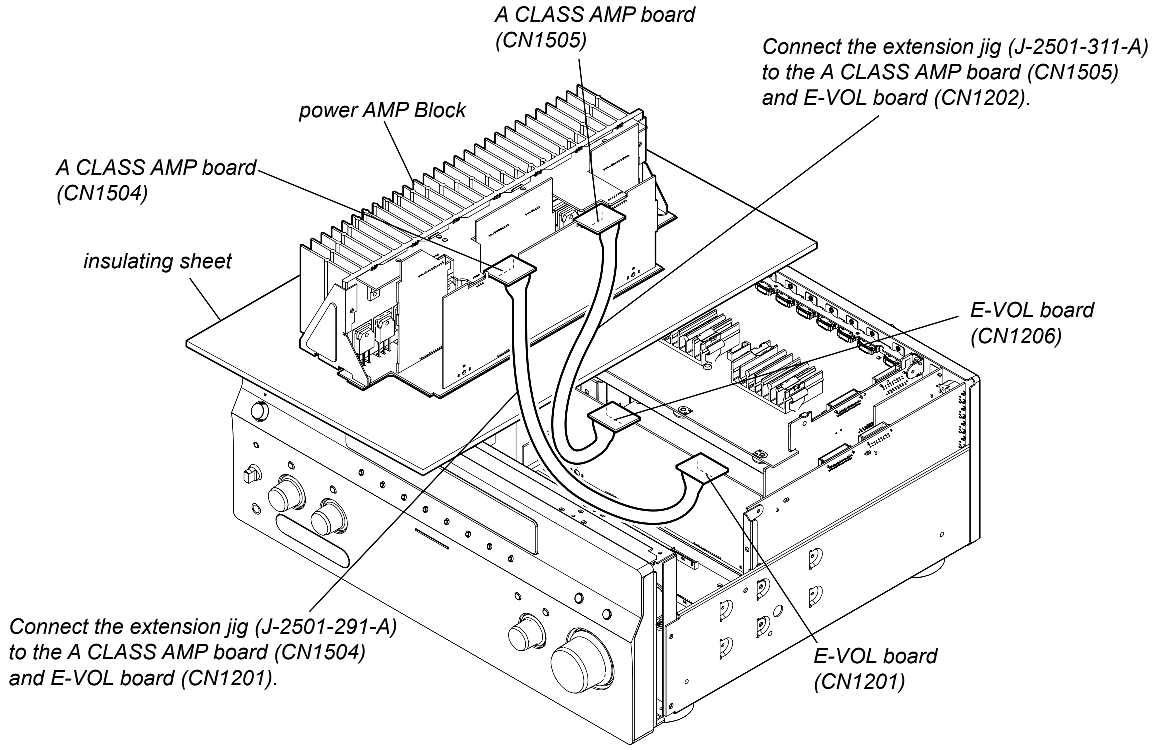
NOTE OF REPLACING THE IC5002 AND IC5202 ON THE DSP BOARD
IC5002 and IC5202 on the DSP board cannot exchange with single. When these parts on the DSP board are damaged, exchange the entire mounted board.

ERROR MESSAGES
If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by the message. Refer to the following table to solve the problem.

messages	cause and response
PROTECTOR	Irregular current is output to the speakers, or the upper panel of the receiver is covered with something. The receiver will automatically turn off after a few seconds. Cheack the speakers connection and turn on the power again.

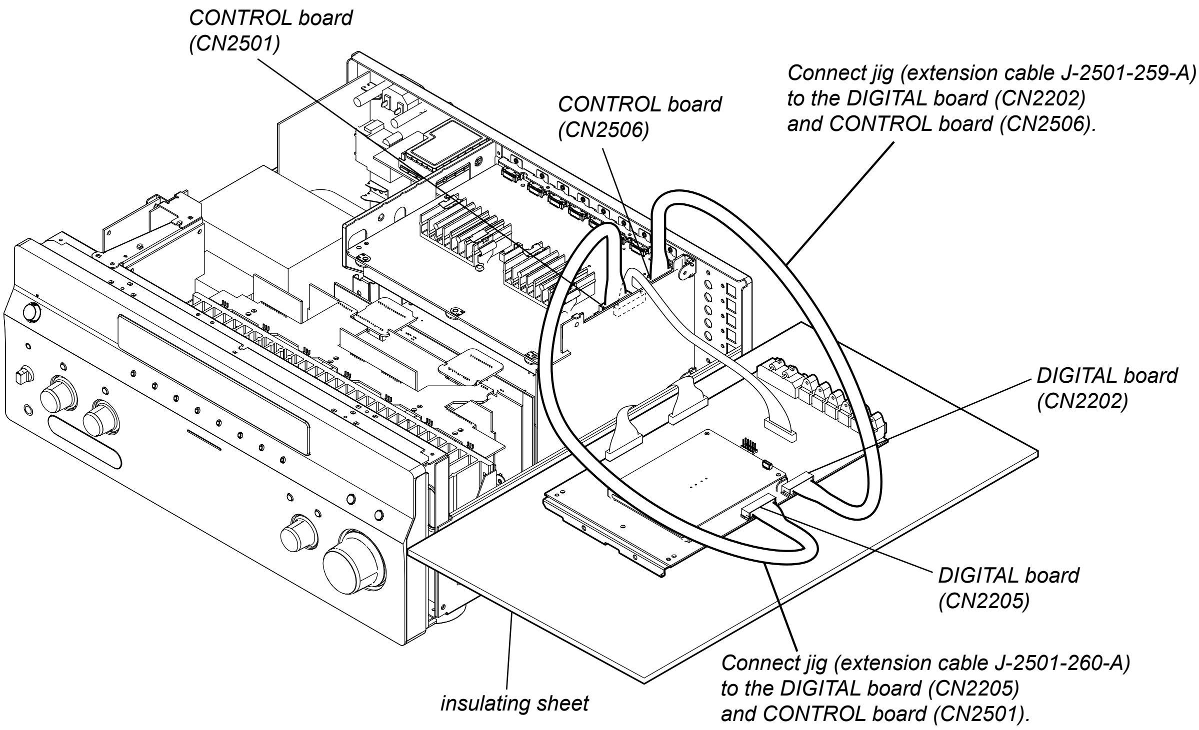
POWER AMP BLOCK SERVICE POSITION

In checking the Power AMP block, prepare jig (extension cable J-2501-291-A: 2 mm Pitch, 12 cores, Length 300 mm/J-2501-311-A: 2 mm Pitch, 15 cores, Length 300 mm).



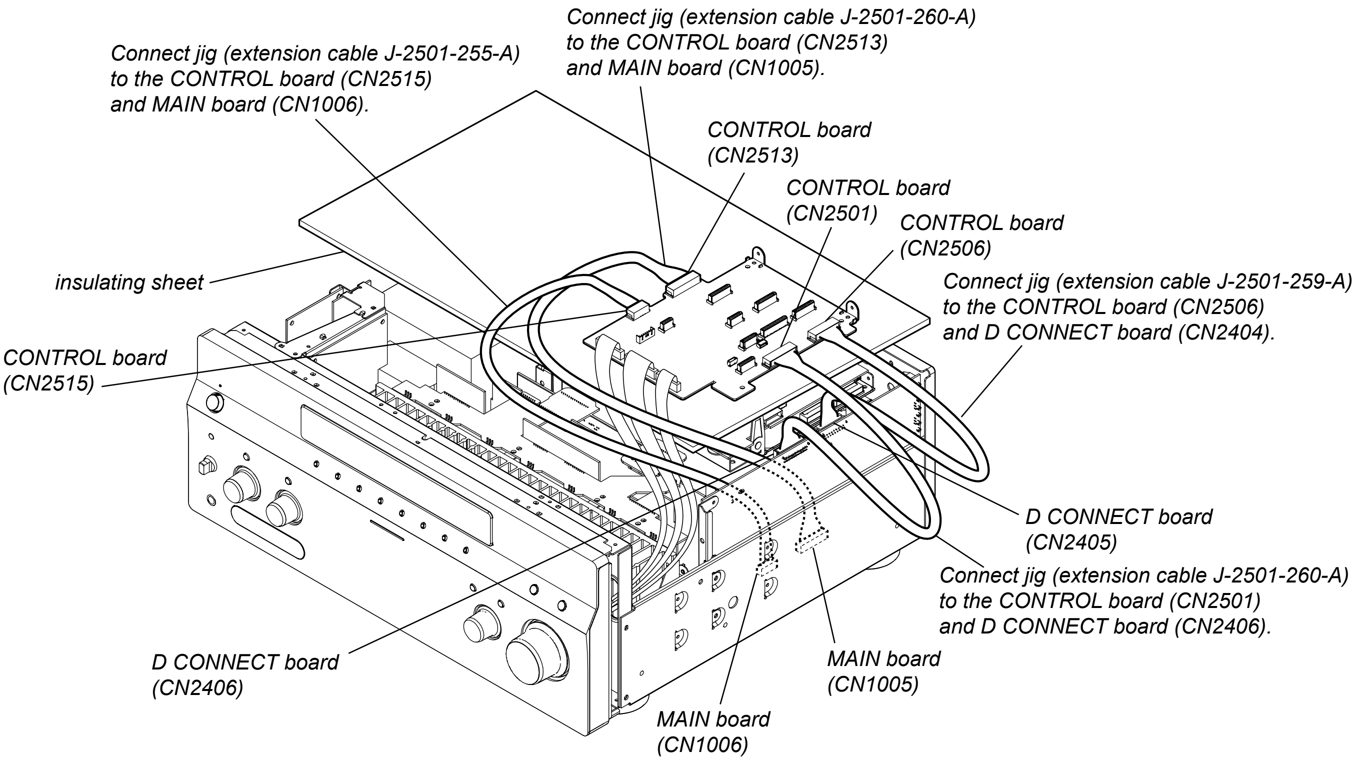
DIGITAL BOARD SERVICE POSITION

In checking the DIGITAL board, prepare jig (extension cable J-2501-259-A: 1.25 mm Pitch, 11 cores, Length 300 mm/J-2501-260-A: 1.25 mm Pitch, 20 cores, Length 300 mm).



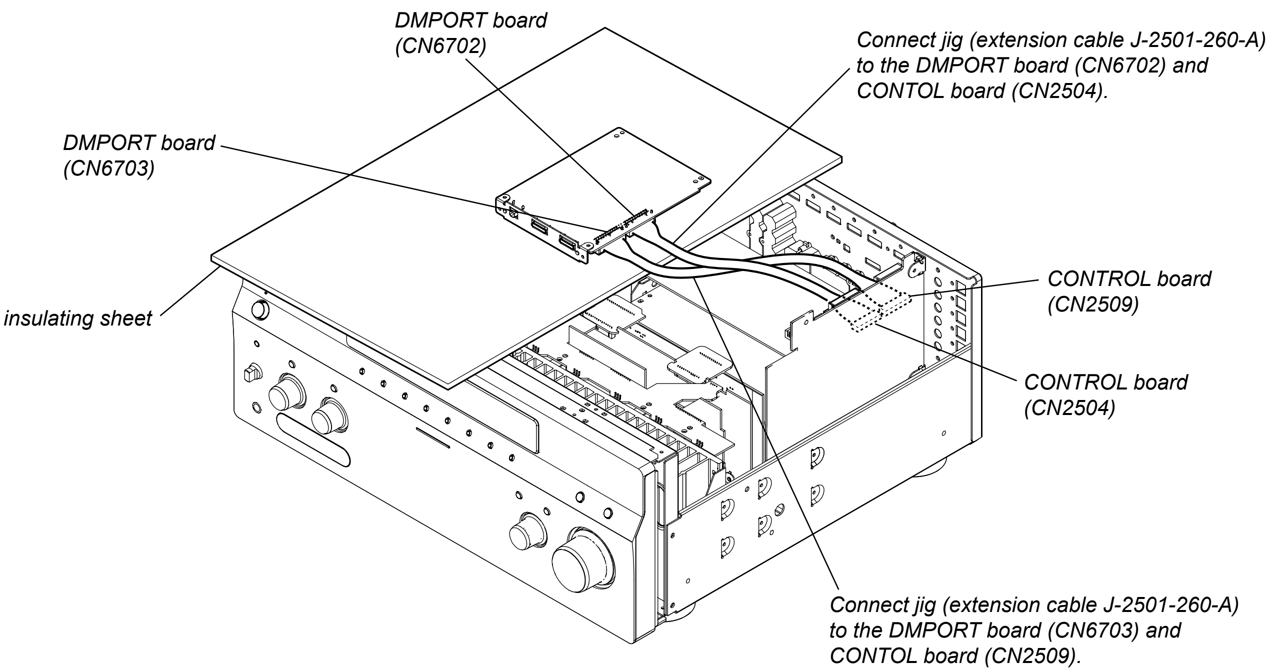
CONTROL BOARD SERVICE POSITION

In checking the CONTROL board, prepare jig (extension cable J-2501-255-A: 1.25 mm Pitch, 10 cores, Length 300 mm/J-2501-259-A: 1.25 mm Pitch, 18 cores, Length 300 mm/J-2501-260-A: 1.25 mm Pitch, 20 cores, Length 300 mm).



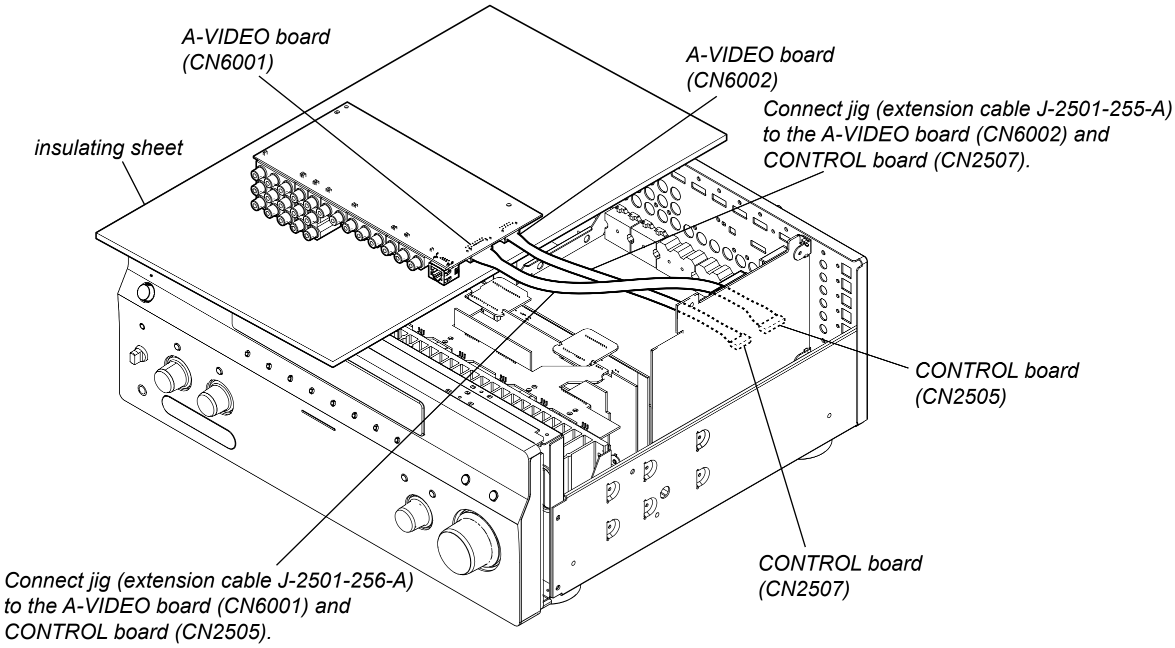
DMPORT BOARD SERVICE POSITION

In checking the DMPORT board, prepare jig (extension cable J-2501-260-A: 1.25 mm Pitch, 20 cores, Length 300 mm).



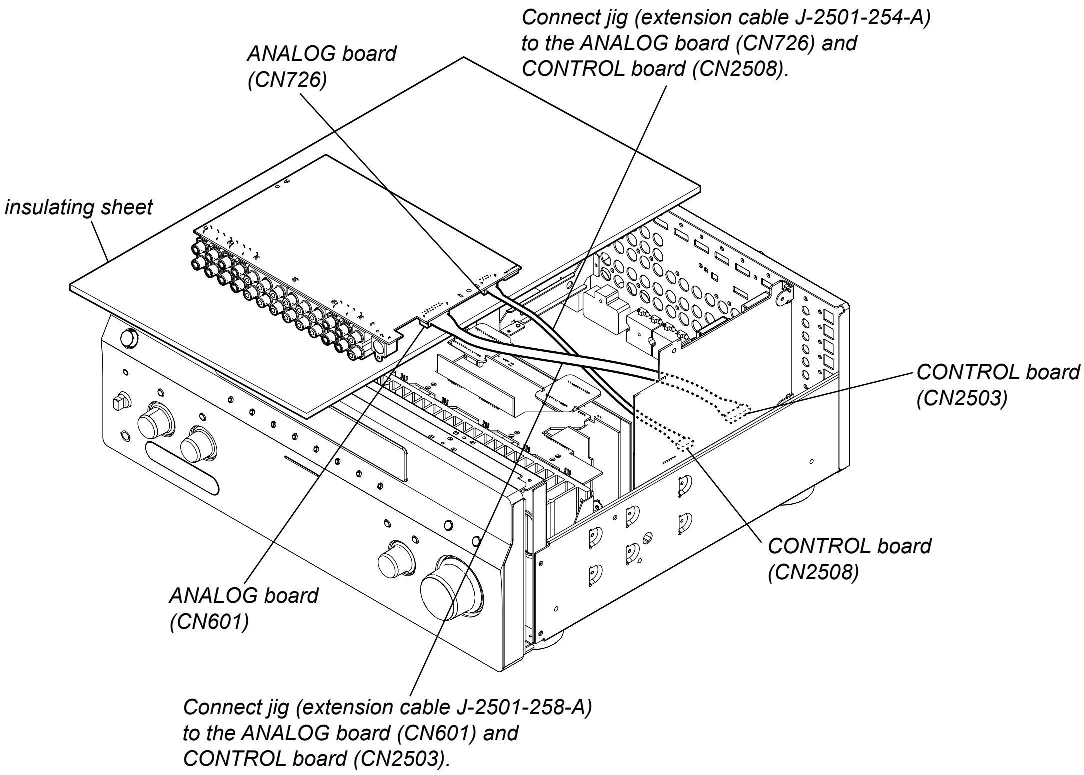
A-VIDEO BOARD SERVICE POSITION

In checking the A-VIDEO board, prepare jig (extension cable J-2501-255-A: 1.25 mm Pitch, 10 cores, Length 300 mm/J-2501-256-A: 1.25 mm Pitch, 12 cores, Length 300 mm).

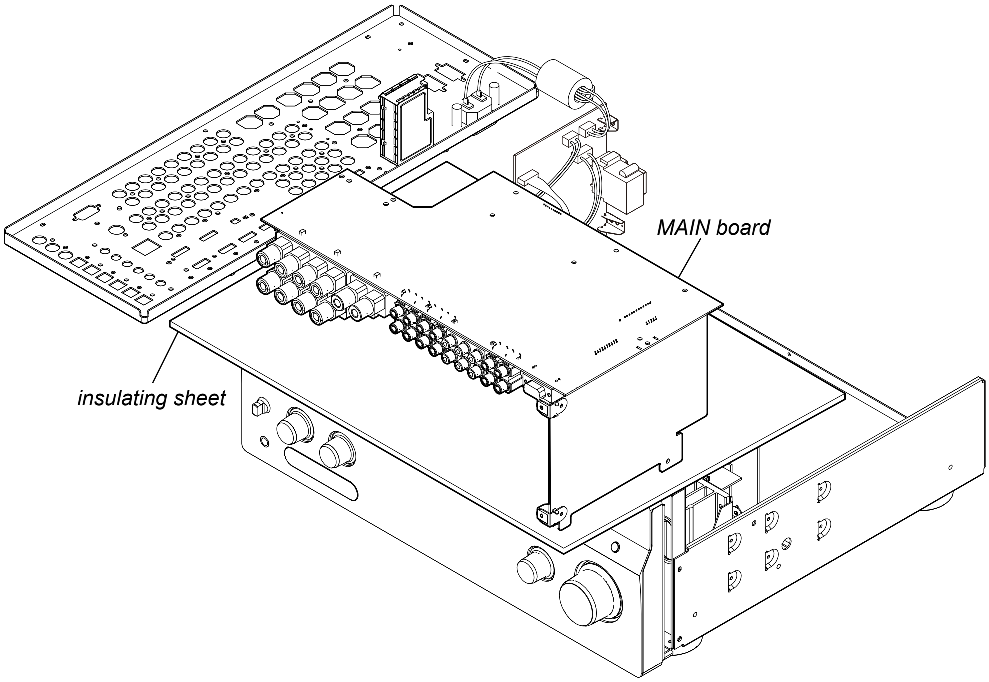


ANALOG BOARD SERVICE POSITION

In checking the ANALOG board, prepare jig (extension cable J-2501-254-A: 1.25 mm Pitch, 8 cores, Length 300 mm/J-2501-258-A: 1.25 mm Pitch, 16 cores, Length 300 mm).

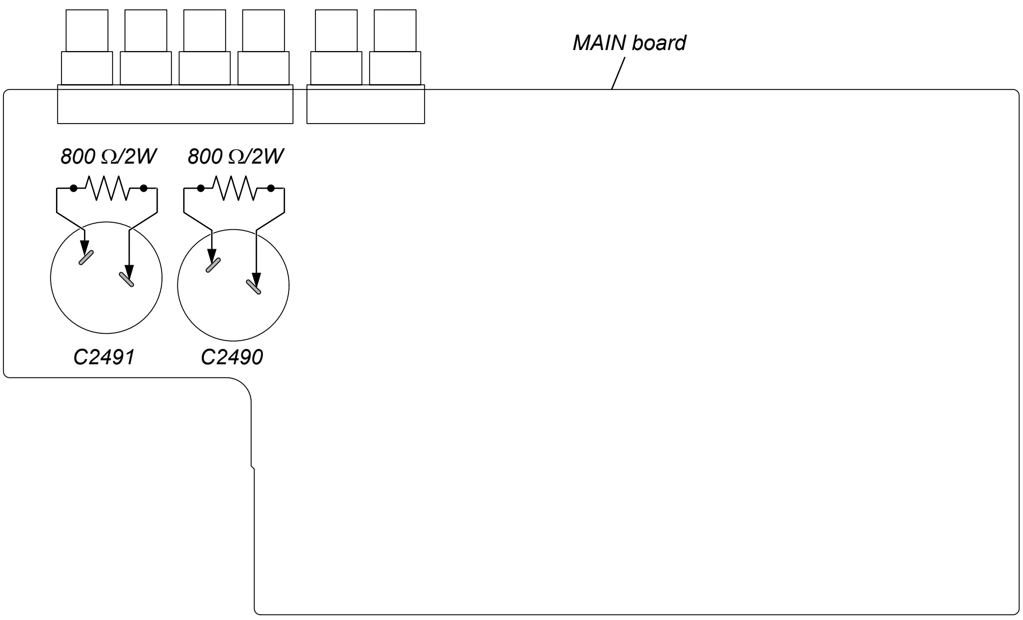


MAIN BOARD SERVICE POSITION



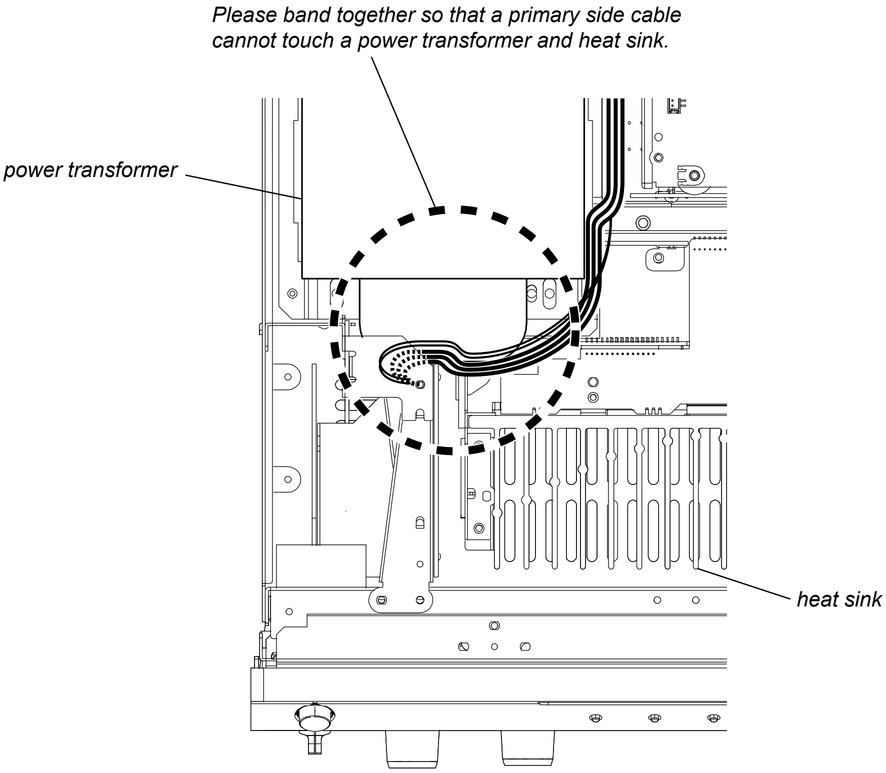
CAPACITOR DISCHARGE

CAUTION: *In checking the MAIN board, make a capacitor discharge of C2490 or C2491 for electric shock prevention.*



LEAD WIRE SETTING

The lead wire must not come in contact with the power transformer and the heat sink.

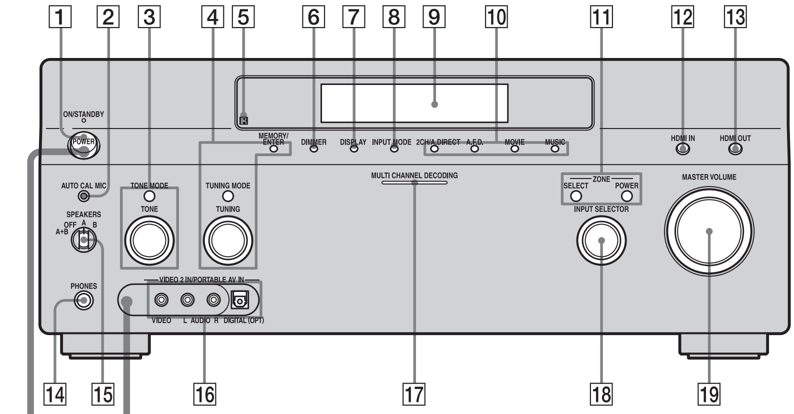


— top view —

SECTION 2
GENERAL

This section is extracted from instruction manual.

Front panel





To remove the cover

Press PUSH.
When you remove the cover, keep it out of reach from children.

Status of the POWER button

Off
The receiver is turned off (initial setting).
Press POWER to turn the receiver on.
You cannot turn the receiver on using the remote.

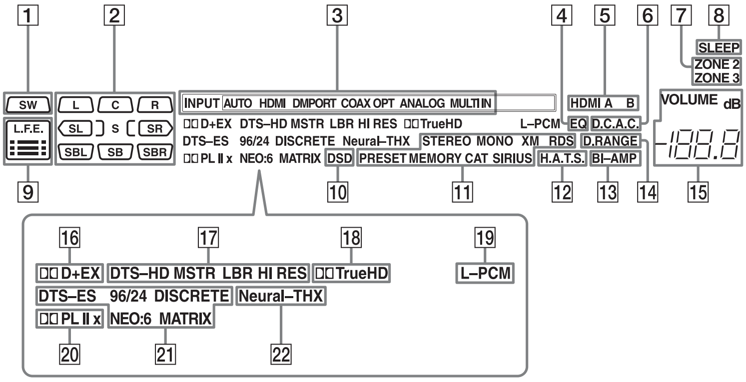
On/Standby
Press I/⏻ on the remote to turn the receiver on or set it to the standby mode.
When you press POWER on the receiver, the receiver will be turned off.

Name	Function
1 **POWER**	Press to turn the receiver on or off.
2 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Digital Cinema Auto Calibration function.
3 **TONE MODE** / **TONE**	Adjusts FRONT/ CENTER/ SURROUND/ SURROUND BACK BASS and TREBLE. Press TONE MODE repeatedly to select BASS or TREBLE, then turn TONE to adjust the level.
4 **MEMORY/ ENTER** / **TUNING MODE** / **TUNING**	Press to operate a tuner (FM/AM) and satellite radio (XM/SIRIUS) (U.S.A./Canadian model only).

Name	Function
5 **Remote sensor**	Receives signals from remote commander.
6 **DIMMER**	Press repeatedly to adjust brightness of the display.
7 **DISPLAY**	Press repeatedly to select information displayed on the display.
8 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks.
9 **Display window**	The current status of the selected component or a list of selectable items appears here.
10 **2CH/A.DIRECT** / **A.F.D.** / **MOVIE** / **MUSIC**	Press to select sound field.

Name	Function
11 **ZONE/ POWER, SELECT**	Press SELECT repeatedly to select zone 2, zone 3 or main zone. Each time you press POWER, the output signals for the selected zone will be turned on or off.
12 **HDMI IN**	Press to select the input signal from the component connected to the HDMI IN jacks.
13 **HDMI OUT**	Press to select output signal to the component connected to the HDMI OUT jacks.
14 **PHONES jack**	Connects to headphones.
15 **SPEAKERS (OFF/A/B/A+B)**	Switch to OFF, A, B, A+B of the front speakers.
16 **VIDEO 2 IN/ PORTABLE AV IN jacks**	Connect to a portable audio/video component such as a camcorder or video game.
17 **MULTI CHANNEL DECODING lamp**	Lights up when multi-channel audio signals are decoded.
18 **INPUT SELECTOR**	Turn to select the input source to play back. To select the input source for zone 2 or zone 3, press ZONE/ SELECT (11) to select zone 2 or zone 3 first ("ZONE 2 INPUT" or "ZONE 3 INPUT" appears on the display), then turn INPUT SELECTOR to select the input source.
19 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time.

Indicators on the display

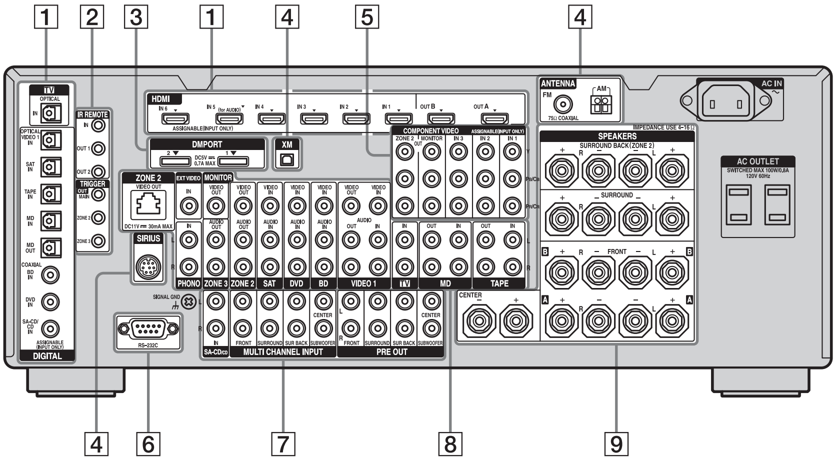


Name	Function
1 SW	Lights up when subwoofer is connected and the audio signal is output from the SUBWOOFER jack. While this indicator lights up, the receiver creates a subwoofer signal based on the L.F.E. signal in the disc being played back or the low frequency components of the front channels.
2 Playback channel indicators	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speaker settings).
L	Front Left
R	Front Right
C	Center (monaural)
SL	Surround Left
SR	Surround Right
S	Surround (monaural or the surround components obtained by Pro Logic processing)
SBL	Surround Back Left
SBR	Surround Back Right
SB	Surround Back (the surround back components obtained by 6.1 channel decoding) **Example:** Recording format (Front/ Surround): 3/2.1 Output channel: Surround speakers are set to "NO." Sound Field: A.F.D. AUTO
3 Input indicators	Light up to indicate the current input.
INPUT	Lights up constantly with either following the corresponding indicators that indicate the current input status.
HDMI	The receiver recognizes a component connected via an HDMI IN jacks.
DMPORT	The DIGITAL MEDIA PORT adapter is connected and "DMPORT" is selected.
MULTI IN	The multi-channel input is selected.
AUTO	Lights up with the corresponding indicators that indicate the current input when INPUT MODE is set to "Auto."
COAX	Digital signal is input through the COAXIAL jack.

Name	Function
OPT	Digital signal is input through the OPTICAL jack.
ANALOG	No digital signal is being input. When INPUT MODE is set to "Analog," or when the "2ch Analog Direct" is being selected, it also lights up.
4 EQ	Lights up when the equalizer is activated.
5 HDMI A B	Lights up when the signals are output from the HDMI OUT A or B jack.
6 D.C.A.C.	Lights up when auto calibration is activated.
7 ZONE 2/ ZONE 3	Lights up while operation in zone 2/zone 3 is being enabled.
8 SLEEP	Lights up when the sleep timer is activated.
9 L.F.E.	Lights up when the disc being played back contains an L.F.E. (Low Frequency Effects) channel and the L.F.E. channel signal is actually being reproduced, the bars underneath the letters light up to indicate the level. Since the L.F.E. signal is not recorded in all parts of the input signal the bar indication will fluctuate (and may turn off) during playback.
10 DSD	Lights up when the receiver is receiving DSD (Direct Stream Digital) signals.
11 Tuning indicators	Lights up when the receiver tunes in radio stations, or satellite radio stations.
STEREO	Stereo broadcast
MONO	Monaural broadcast
XM (U.S.A./ Canadian model only)	The XM Mini Tuner and Home Dock are connected and "XM" is selected.
SIRIUS (U.S.A./ Canadian model only)	The SiriusConnect Home tuner is connected and "SIRIUS" is selected.
CAT (U.S.A./ Canadian model only)	The category mode is selected during the satellite radio operation.
RDS (European model only)	RDS information is received.
PRESET	The tuning mode is set to the preset mode.
MEMORY	A memory function, such as Name Input, etc., is activated.

Name	Function
12 H.A.T.S. (European model only)	Lights up when the H.A.T.S. (High quality digital Audio Transmission System) function is activated.
13 BI-AMP	Lights up when surround back speakers selection is set to "BI-AMP."
14 D.RANGE	Lights up when dynamic range compression is activated.
15 VOLUME	Displays the current volume.
16 Dolby Digital Surround indicators	Lights up one of the respective indicators when the receiver is decoding the corresponding Dolby Digital format signals.
DD	Dolby Digital
DD+	Dolby Digital Plus
DD EX	Dolby Digital Surround EX **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "Analog."
17 DTS-HD indicators	Light up when the receiver is decoding DTS-HD.
DTS-HD	Lights up constantly with the one of the following indicators.
MSTR	DTS-HD Master Audio
LBR	DTS-HD Low Bit Rate Audio
HI RES	DTS-HD High Resolution Audio
18 DDTrueHD	Lights up when the receiver is decoding Dolby TrueHD.
19 L-PCM	Lights up when Linear PCM (Pulse Code Modulation) signals are input.
20 Dolby Pro Logic indicators	Lights up one of the respective indictors when the receiver applies Dolby Pro Logic processing to 2 channel signals in order to output the center and surround channel signals.
DDPL	Dolby Pro Logic
DDPLII	Dolby Pro Logic II
DDPLIIx	Dolby Pro Logic IIx **Note** This indicator does not light when either the center speaker and surround speaker is not connected.
21 DTS(-ES) indicators	Light up when DTS or DTS-ES signals are input.
DTS	Lights up when the receiver is decoding DTS signals. Either 96/24 or NEO:6 also lights up depending on the input signal format or decoding format.
96/24	DTS 96/24 (96 kHz/24 bit) decoding
NEO:6	DTS Neo:6 Cinema/Music
DTS-ES	Lights up with the either following indicator depending on the input signal decoding format.
DISCRETE	DTS-ES Discrete 6.1
MATRIX	DTS-ES Matrix 6.1 **Note** When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "Analog."
22 Neural-THX	Lights up when the receiver applies Neural-THX processing to input signals.

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN/ OUT jacks	Connect to a DVD player, Super Audio CD player, etc. The COAXIAL jack provides a better quality sound.
	COAXIAL IN jacks	
	HDMI IN/ OUT* jacks	Connect to a DVD player, Blu-ray Disc Player, or a satellite tuner. An image and the sound are output to TV or a projector.

2 Control jacks for Sony equipment and other external components

	IR REMOTE IN/OUT jacks	Connect an IR repeater.
	TRIGGER OUT jacks	Connect to interlock on/off of the power supply of other 12V TRIGGER compliant components, or the amplifier/receiver of zone 2 or zone 3.

3 DMPORT

	Connect to a Sony DIGITAL MEDIA PORT adapter.

4 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna (aerial) supplied with this receiver.
	AM ANTENNA jack	Connects to the AM loop antenna (aerial) supplied with this receiver.
(U.S.A./Canadian model only)	XM jack	Connects to the XM Mini Tuner and Home Dock (not supplied).
(U.S.A./Canadian model only)	SIRIUS jack	Connects to a SiriusConnect Home tuner (not supplied).

5 COMPONENT VIDEO INPUT/ OUTPUT section

Y, PB/CB, PR/CR	Y, P_B/C_B, P_R/C_R IN/OUT* jacks	Connect to a DVD player, TV, or a satellite tuner.

6 RS-232C port

	Used for maintenance and service.

7 AUDIO INPUT/OUTPUT section

L / R	AUDIO IN/ OUT jacks	Connect to a tape deck or MD deck, etc.
MULTI CHANNEL INPUT	MULTI CHANNEL INPUT jacks	Connect to a Super Audio CD player or DVD player with an analog audio jack for 7.1 channel or 5.1 channel sound.
PRE OUT	PRE OUT jacks	Connect to an external power amplifier.

8 VIDEO/AUDIO INPUT/OUTPUT section

L / R	AUDIO IN/ OUT jacks	Connect to a VCR or a DVD player etc..
	VIDEO IN/ OUT* jacks	
ZONE 2 / ZONE 3	AUDIO OUT jacks VIDEO OUT jack	Connect to the component in zone 2 or zone 3.
(U.S.A./Canadian model only)	ZONE 2 VIDEO OUT jack	An RJ-45 jack used to send a video signal to the component in zone 2. Use a CAT5 cable for the connection. Used for custom installation. For information on how to use this jack, consult your dealer. **Attention** Do not use this jack for an Ethernet LAN connection. Doing so may cause a malfunction.
EXT VIDEO IN	EXT VIDEO IN jack	Connects to the component when you want to watch in PIP (Picture in Picture) window.

9 SPEAKERS section

– +	Connects to speakers.

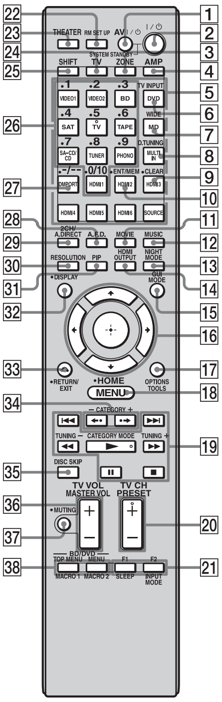
* You can watch the selected input image when you connect the HDMI OUT or MONITOR OUT jacks to a TV. You can operate this receiver using a GUI (Graphical User Interface).

Remote commander

You can use the supplied remote to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate.

Main remote commander (RM-AAL013/RM-AAL014)

The RM-AAL013 remote is supplied with the U.S.A./Canadian model only and RM-AAL014 is supplied with the European model only. The RM-AAL013 remote is used for illustration purpose. Any differences in operation are clearly indicated in the text, for example, "European model only."



Name	Function
1 **AV I/⏻ (on/standby)**	Press to turn on or off the audio/video components that the remote is assigned to operate. If you press I/⏻ (2) button at the same time, it will turn off the receiver and other Sony components (SYSTEM STANDBY). **Note** The function of the AV I/⏻ switch changes automatically each time you press the input button (5).
2 **I/⏻ (on/standby)**	Press to turn the receiver on or off. If zone 2 or zone 3 is selected, only the main receiver is turned on or off with this button. To turn off all components including an amplifier in zone 2 or zone 3, press I/⏻ and AV I/⏻ (1) at the same time (SYSTEM STANDBY). **Saving the power in standby mode.** When "Control for HDMI" and "RS-232C Control" are set to "OFF."
3 **ZONE**	Press to switch the zone 2 or zone 3 operation.
4 **AMP**	Press to enable the receiver operation.

Name	Function
5 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to control non-Sony components following the steps in "Programming the remote".
6 **TV INPUT**	Press TV (24), then press TV INPUT to select the input signal of a TV.
7 **WIDE**	Press TV (24), then press WIDE repeatedly to select the wide picture mode.
8 **D.TUNING**	Press SHIFT (25), then press to enter direct tuning mode.
9 **CLEAR**	Press SHIFT (25), then press to – clear a mistake when you press the incorrect numeric button. – return to continuous playback, etc. of the satellite tuner or DVD player.
10 **ENT/MEM**	Press SHIFT (25), then press ENT/MEM to enter the value after selecting a channel, disc, or track using the numeric buttons, or to store a station during tuner operation.
11 **MOVIE**	Press to select sound field for movies.
12 **MUSIC**	Press to select sound field for music.
13 **NIGHT MODE**	Press AMP (4), then press NIGHT MODE to activate the NIGHT MODE function.
14 **HDMI OUTPUT**	Press to select output signal to the component connected to the HDMI OUT jacks.
15 **GUI MODE**	Press to switch the display mode of the menu between GUI MODE (to display the menu on the TV screen) and DISPLAY MODE (to display the menu in the display window).
16 ⊕ **↑/↓/←/→**	Press ↑/↓/←/→ to select the menu items. Then press ⊕ to enter the selection.
17 **OPTIONS TOOLS**	Press to display and select items from option menus for receiver, DVD player, TV, or Blu-ray Disc Player, etc.
18 **MENU HOME**	Press to display the menu used to operate audio/video components or a TV.
19 **◀◀/▶▶ a)** **■ a)** **❚❚ a)** **▶ a) b)** **❙◀◀/▶▶❙ a)**	Press to operate the DVD player, Blu-ray Disc Player, CD player, MD deck, tape deck, or component connected to the DIGITAL MEDIA PORT adapter etc.
CATEGORY MODE (U.S.A./Canadian model only)	Press to select the category mode for satellite tuner.
TUNING +/–	Press to select station.
20 **PRESET + b)/–**	Press to register FM/AM/satellite tuner stations or to select preset stations.
TV CH + b)/–	Press TV (24), then press TV CH + /– to operate the TV, satellite tuner, VCR, etc.

Name	Function
21 **F1/F2**	Press BD or DVD (5), then press F1 or F2 to select a component to operate. • HDD/DISC combo F1: HDD F2: DVD disc, Blu-ray Disc • DVD/VHS combo F1: DVD disc, Blu-ray Disc F2: VHS
INPUT MODE	Press AMP (4), then press INPUT MODE to select the input mode when the same components are connected to both digital and analog jacks.
SLEEP	Press AMP (4), then press SLEEP to activate the sleep timer function and the duration which the receiver turns off automatically.
22 **RM SET UP**	Press to set up the remote.
23 **THEATER**	Press to turn the Theater mode on and off when connecting the receiver to products featuring "BRAVIA" Sync.
24 **TV**	Press to enable the TV operation.
25 **SHIFT**	Press to light up the button. It changes the remote button function to activate the buttons with pink printing.
26 **Numeric buttons**	Press SHIFT (25), then press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player, Blu-ray Disc Player or MD deck. Press -/-- (27) to select track number 10. – select channel numbers of the VCR or satellite tuner. – After pressing TV (24), press the numeric buttons to select the TV channels.
27 **-/--**	Press to select – track numbers over 10 of the VCR, satellite tuner, CD player or MD deck. – channel numbers of the Digital CATV terminal.
28 **A.F.D.**	Press to select sound field.
29 **2CH/A.DIRECT**	Press to select sound field or to switch the audio of the selected input to analog signal without any adjustment.
30 **RESOLUTION**	Press RESOLUTION repeatedly to change the resolution of signals output from the HDMI OUT or COMPONENT VIDEO MONITOR OUT jack.
31 **PIP**	Press PIP to switch the image of the PIP (Picture in Picture) window. The image of the PIP window is the one from the EXT VIDEO IN jack. You can swap the position of the main screen and the PIP window by pressing ⊕ (16). **Note** When the HDMI input is selected on the main screen, you cannot swap the position of the main screen and the PIP window.
32 **DISPLAY**	Press to select information displayed in the display window, TV screen of the VCR, satellite tuner, CD player, DVD player, Blu-ray Disc Player, or MD deck. **Note** In the GUI MODE, press the button to display the menu on the TV screen.

Name	Function
33 **RETURN/ EXIT** ↶	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
34 **CATEGORY +/–** (U.S.A./ Canadian model only)	Press to select the category for satellite tuner.
←·/·→	Press to select an album.
35 **DISC SKIP**	Press to skip a disc when using a multi-disc changer.
36 **MASTER VOL +/–**	Press to adjust the volume level of all speakers at the same time.
TV VOL +/–	Press TV (24), then press TV VOL +/– to adjust the volume level of the TV.
37 **MUTING**	Press to turn off the sound temporarily. Press the button again to restore the sound.
38 **BD/DVD/ TOP MENU, MENU**	Press to display the menus of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform a menu operations.
MACRO1, MACRO2	Press AMP (4), then press MACRO 1 or MACRO 2 to set up the macro function.

[a] See the table for information on the buttons that you can use to control each component.

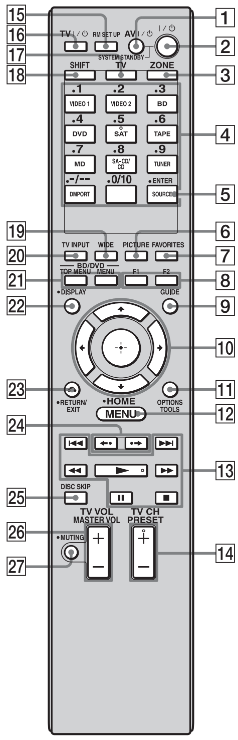
[b] The tactile dot is attached to these buttons (TV/5, ▶, PRESET +/TV CH +). Use as a mark of operation.

Notes

- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

Zone 2/Zone 3 remote commander (RM-AAP027)

This remote is for zone 2/zone 3 operations.



Name	Function
1 **AV I/⏻ (on/ standby)**	Press to turn on or off the audio/ video components that the remote is assigned to operate. Press I/⏻ (2) at the same time, to turn off the receivers in the main zone, zone 2 and zone 3, and any other Sony components (SYSTEM STANDBY). **Note** The function of the AV I/⏻ switch changes automatically each time you press the input button (4).
2 **I/⏻ (on/ standby)**	Press to turn the receiver on or off in zone 2 or zone 3. Press AV I/⏻ (1) at the same time to turn off the receivers in the main zone, zone 2 and zone 3, and any other Sony components (SYSTEM STANDBY).
3 **ZONE**	Press to enable the zone 2 or zone 3 operation.
4 **Input buttons**	Press one of the buttons to select the component you want to use. Press a pink-labeled button after pressing SHIFT (18). When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components. You can program the remote to control non-Sony components following the steps in "Programming the remote"
5 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons.
6 **PICTURE**	Press repeatedly to cycle through the available picture modes of TV.
7 **FAVORITES**	Press once to display the stored favorite channel list of TV.

Name	Function
8 **F1/F2**	Press BD or DVD (4), then press F1 or F2 to select a component to operate. • HDD/DISC combo F1: HDD F2: DVD disc, Blu-ray Disc • DVD/VHS combo F1: DVD disc, Blu-ray Disc F2: VHS **Note** The F1/F2 function does not work for video components that have no recording function.
9 **GUIDE**	Press to display a guide list of the DVD player or satellite tuner on the TV screen.
10 ⊕ ↑/↓/←/→	Press ↑/↓/←/→ to select the menu items for zone 2/zone 3. Then press ⊕ to enter the selection.
11 **OPTIONS TOOLS**	Press to display and select items from option menus for receiver, DVD player, TV, or Blu-ray Disc Player, etc.
12 **MENU HOME**	Press to display the menu used to operate audio/video components or a TV.
13 ◀◀/▶▶ [a] ■ [a] ❚❚ [a] ▶ [a) b)] ⏮/⏭ [a]	Press to operate the DVD player, Blu-ray Disc Player, CD player, MD deck, tape deck, or component connected to the DIGITAL MEDIA PORT adapter etc.
14 **PRESET + [b]/–**	Press to register FM/AM/ satellite tuner stations or to select preset stations.
TV CH + [b]/–	Press TV (17), then press TV CH + /– to operate the TV, satellite tuner, VCR, etc.
15 **RM SET UP**	Press to set up the remote.
16 **TV I/⏻**	Press to turn the TV on or off.
17 **TV**	Press to enable the TV operation.
18 **SHIFT**	Press to light up the button. It changes the remote button function to activate the buttons with pink printing.
19 **WIDE**	Press repeatedly to select the wide picture mode.
20 **TV INPUT**	Press TV (17), then press TV INPUT to select the input signal of a TV.
21 **BD/DVD TOP MENU, MENU**	Press to display the menus of the DVD player on the TV screen. Then use ↑/↓/←/→ and ⊕ to perform a menu operations.
22 **DISPLAY**	Press to select information displayed in the display window, TV screen of the VCR, satellite tuner, CD player, DVD player, Blu-ray Disc Player, or MD deck. **Note** In the GUI mode, press the button to display the menu on the TV screen.
23 **RETURN/ EXIT** ↶	Press to return to the previous menu or exit the menu while the menu or on-screen guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.
24 ←·/·→	Press to select an album.
25 **DISC SKIP**	Press to skip a disc when using a multi-disc changer.
26 **MASTER VOL +/–**	Press to adjust the volume level of all speakers in zone 2/zone 3 at the same time.
TV VOL +/–	Press TV (17), then press TV VOL +/– to adjust the volume level of the TV in zone 2/ zone 3.
27 **MUTING**	Press to turn off the sound temporarily. Press the button again to restore the sound.

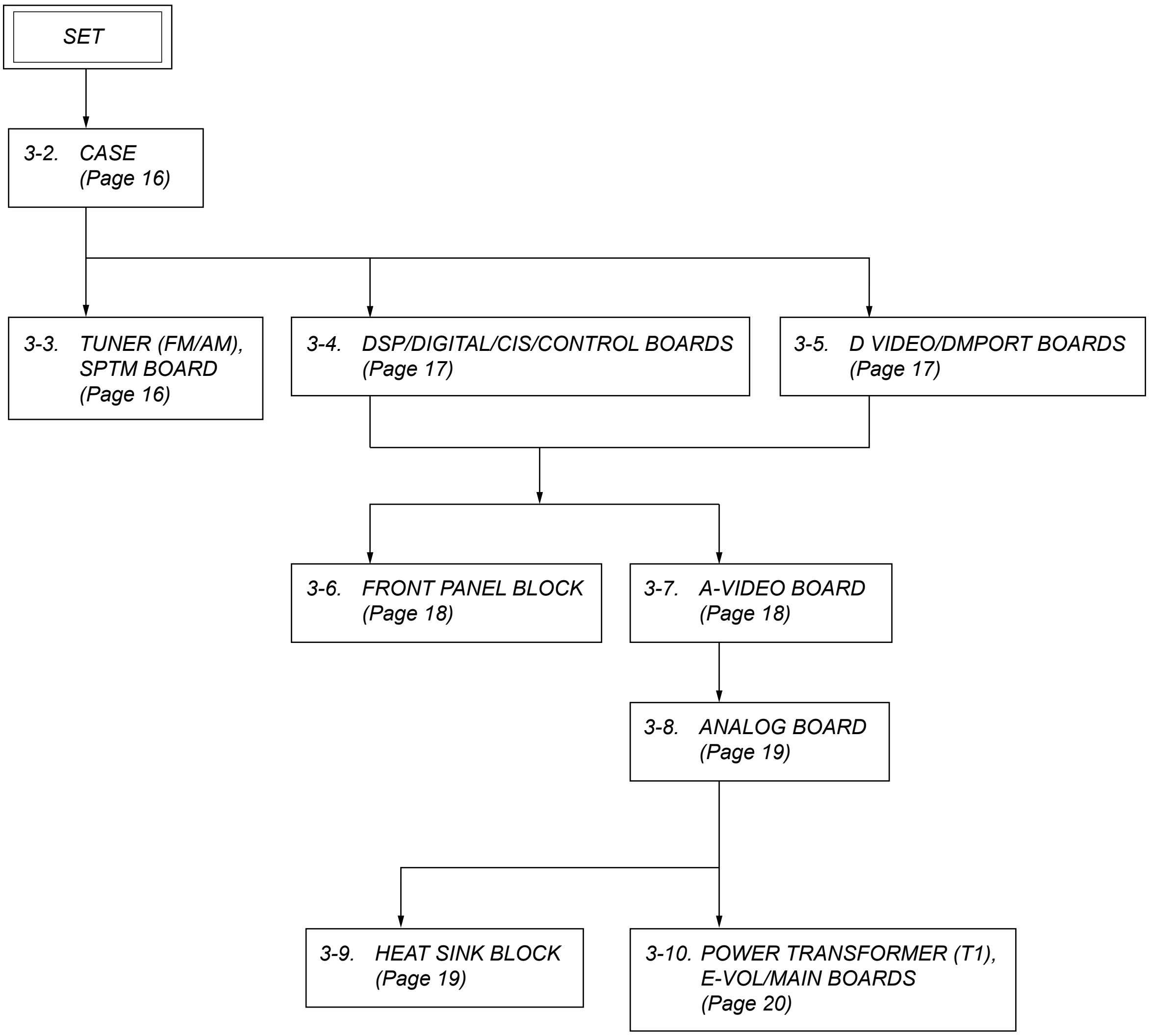
[a] See the table for information on the buttons that you can use to control each component.

[b] The tactile dot is attached to these buttons (SAT/5, ▶, PRESET +/TV CH +). Use as a mark of operation.

SECTION 3
DISASSEMBLY

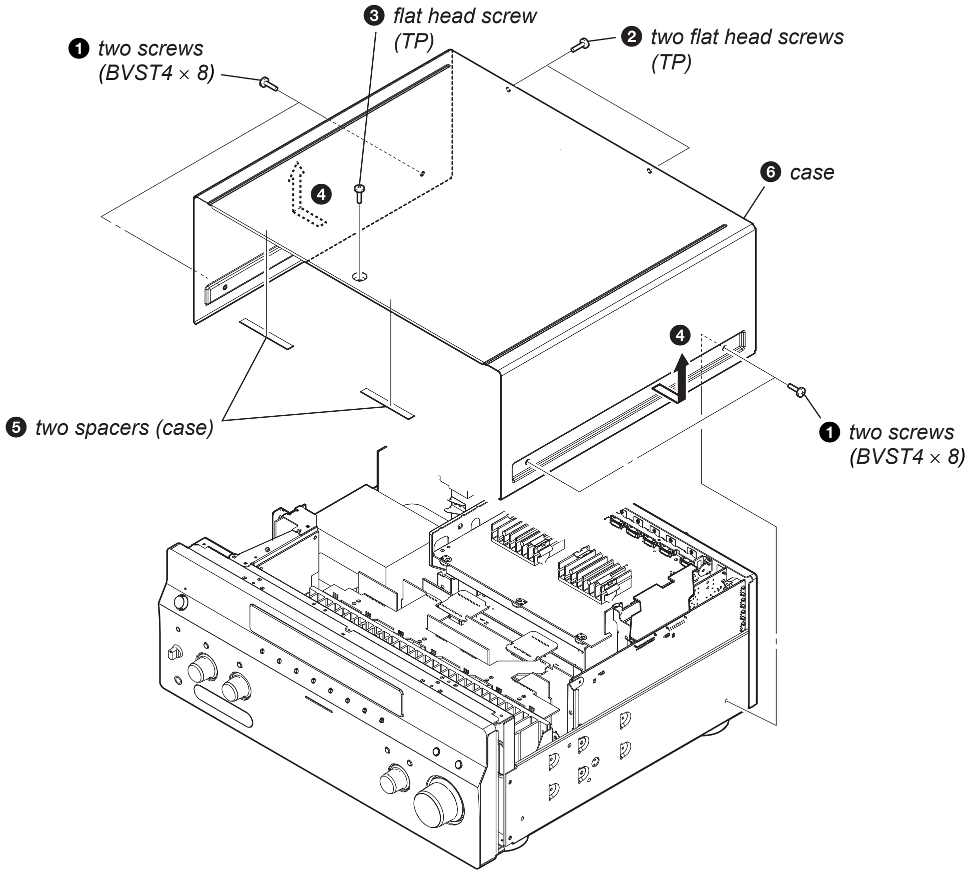
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

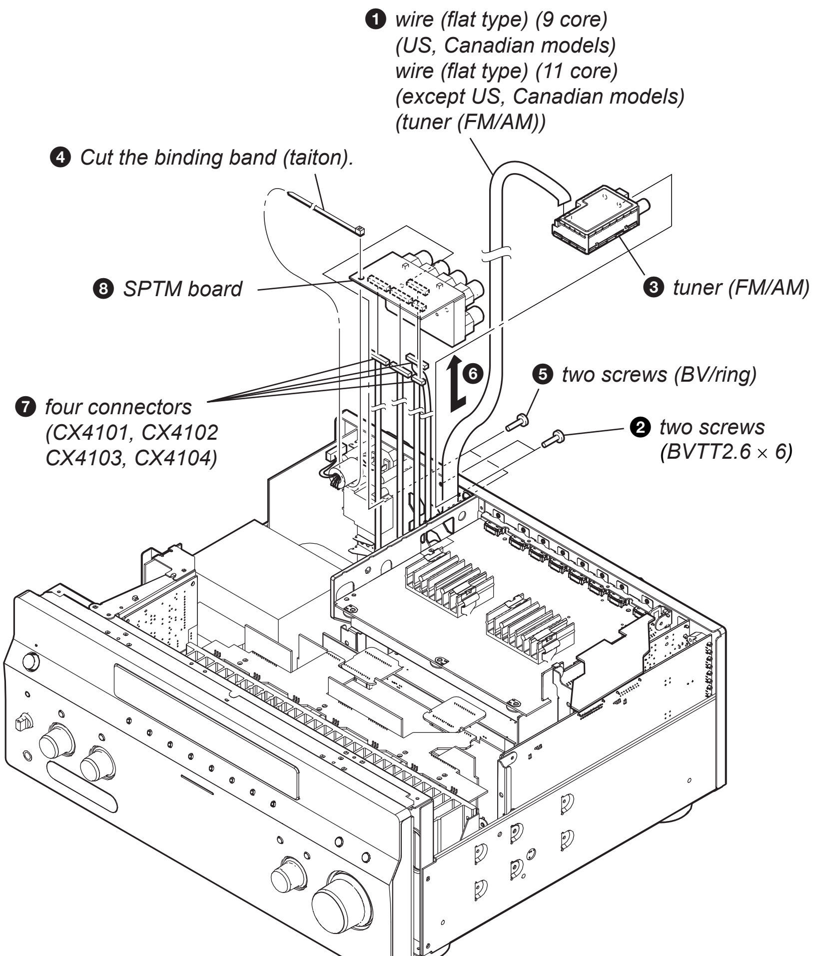


Note: Follow the disassembly procedure in the numerical order given.

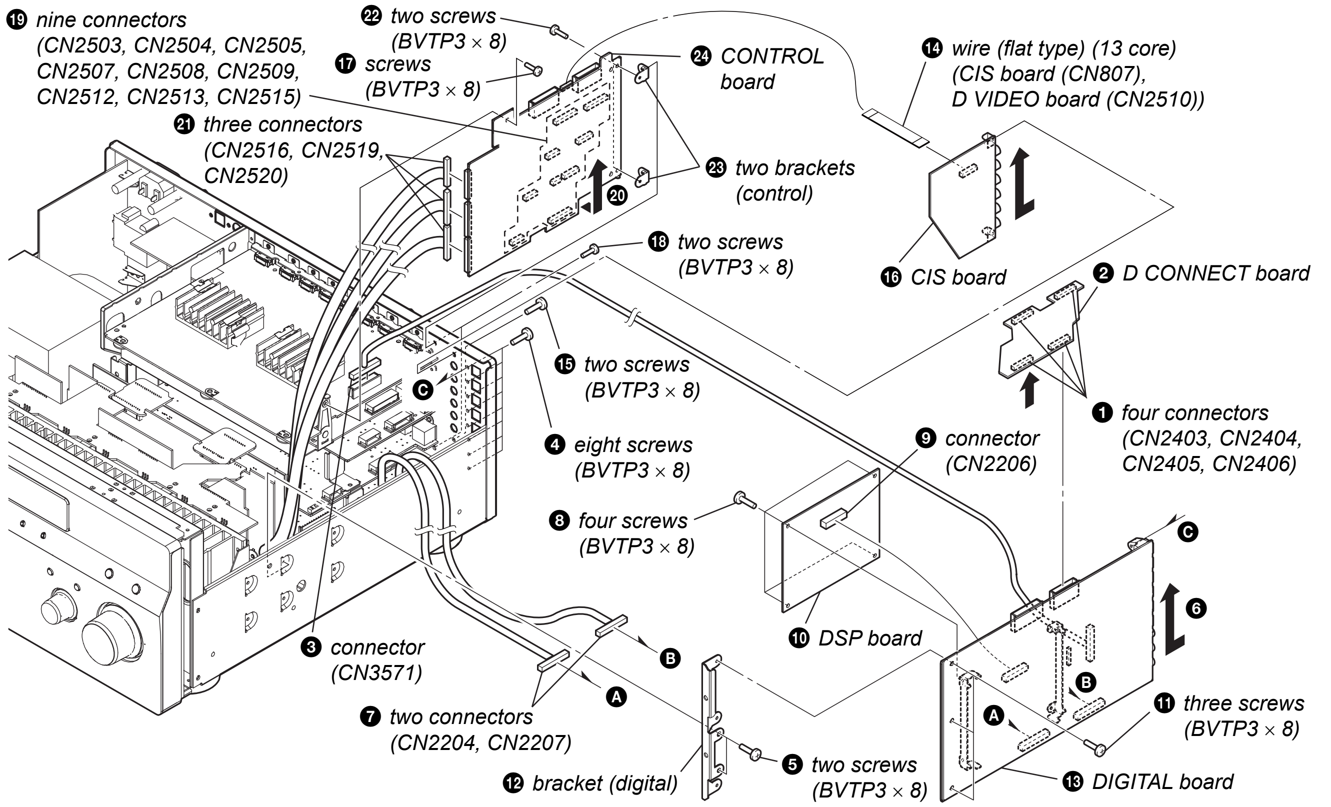
3-2. CASE



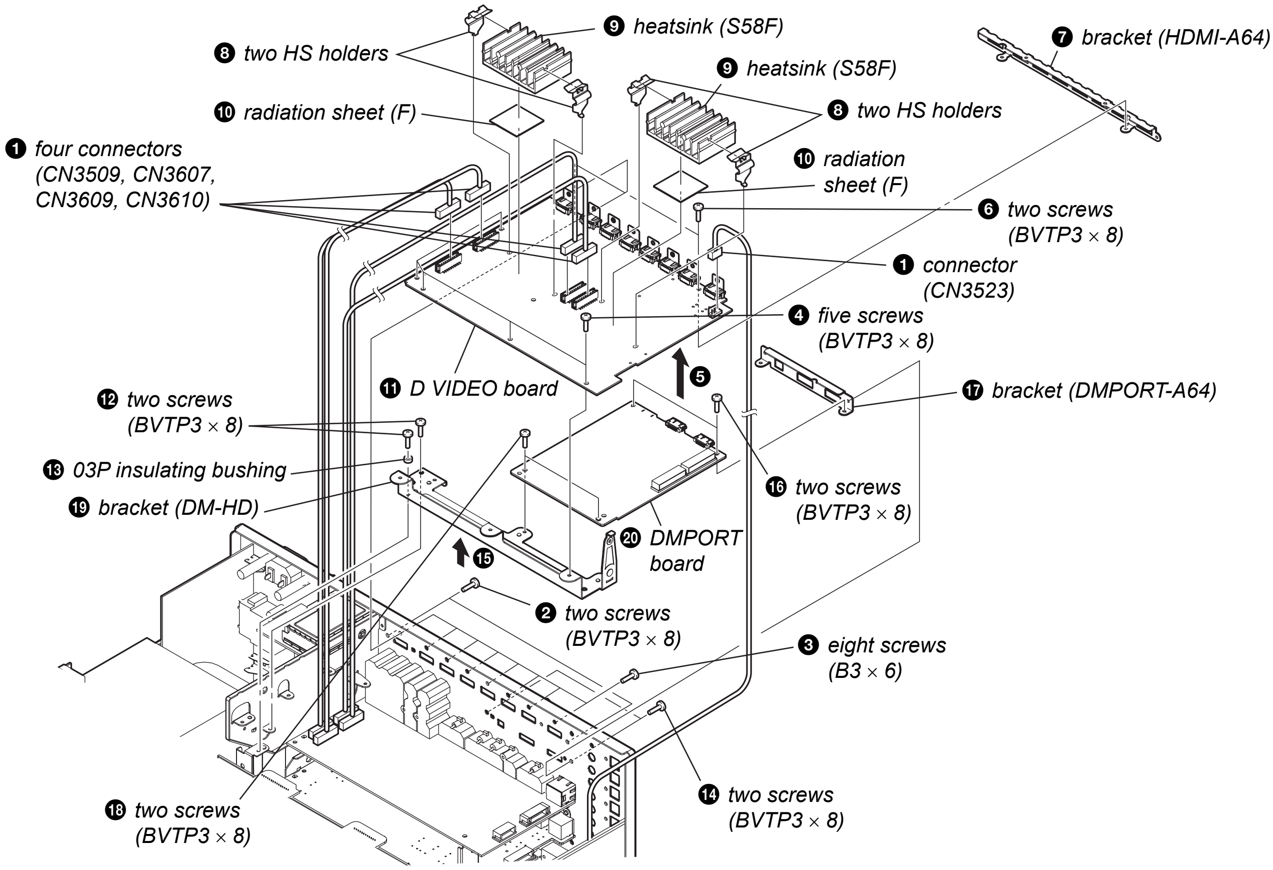
3-3. TUNER (FM/AM), SPTM BOARD



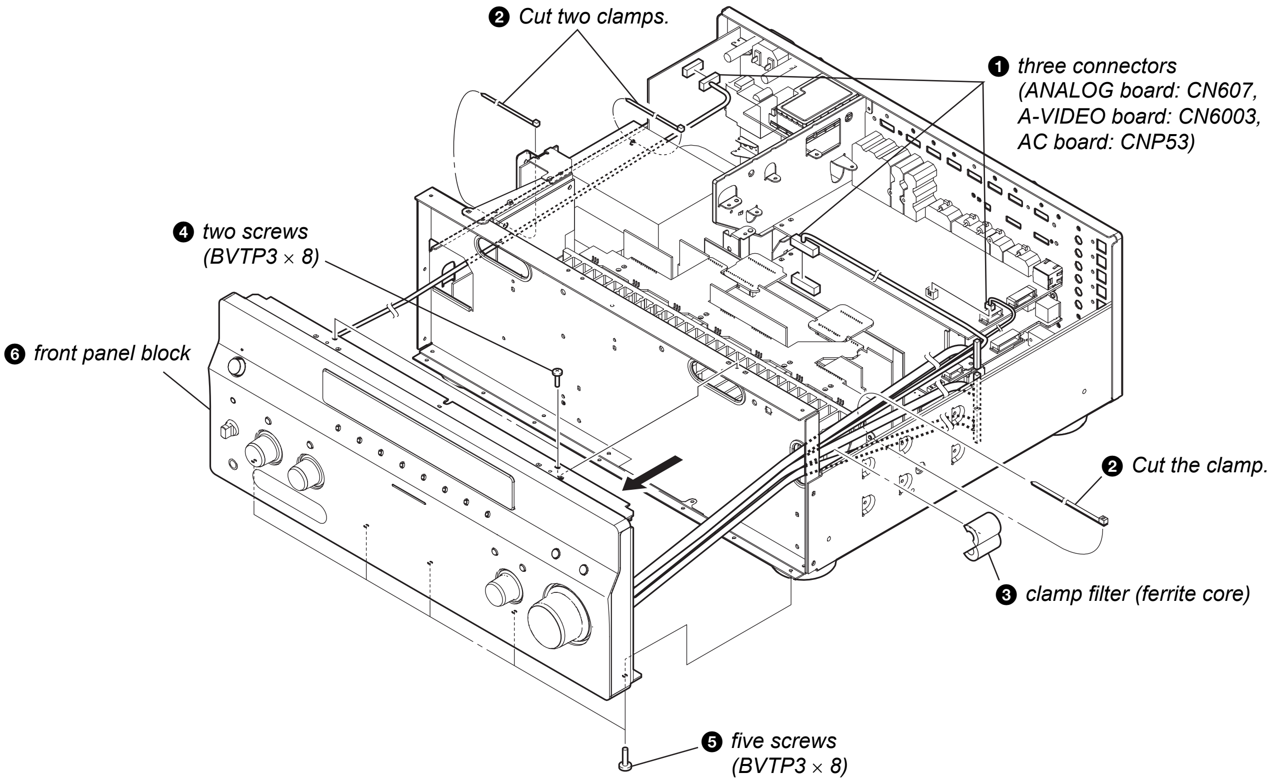
3-4. DSP/DIGITAL/CIS/CONTROL BOARDS



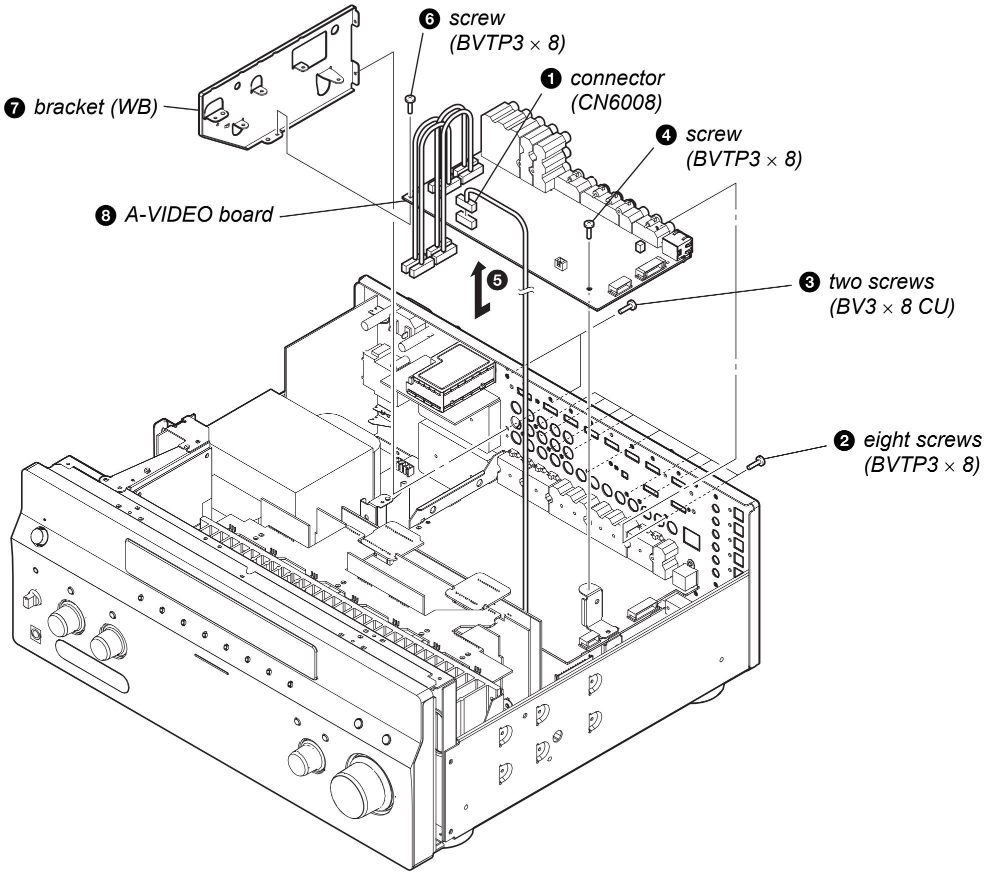
3-5. D VIDEO/DMPORT BOARDS



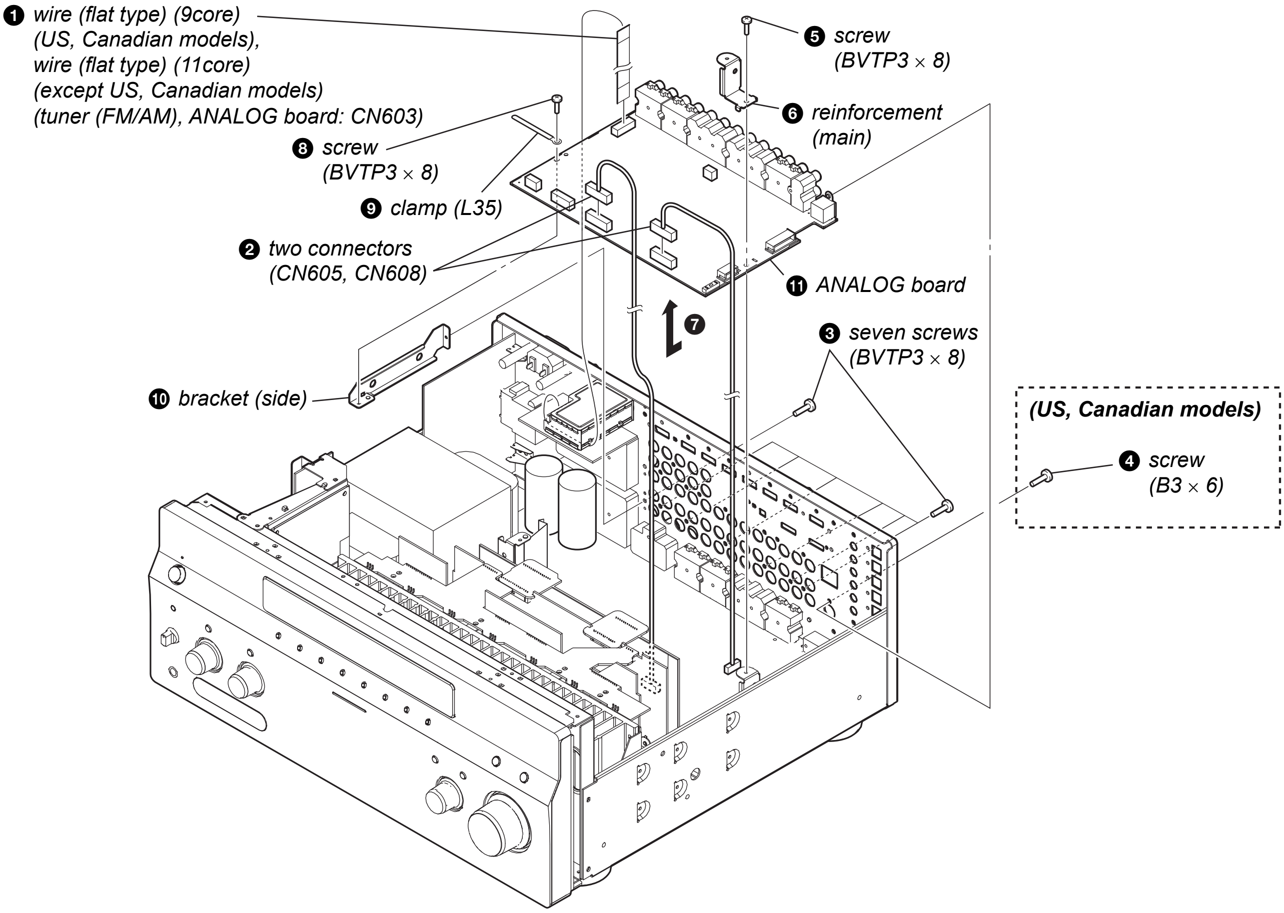
3-6. FRONT PANEL BLOCK



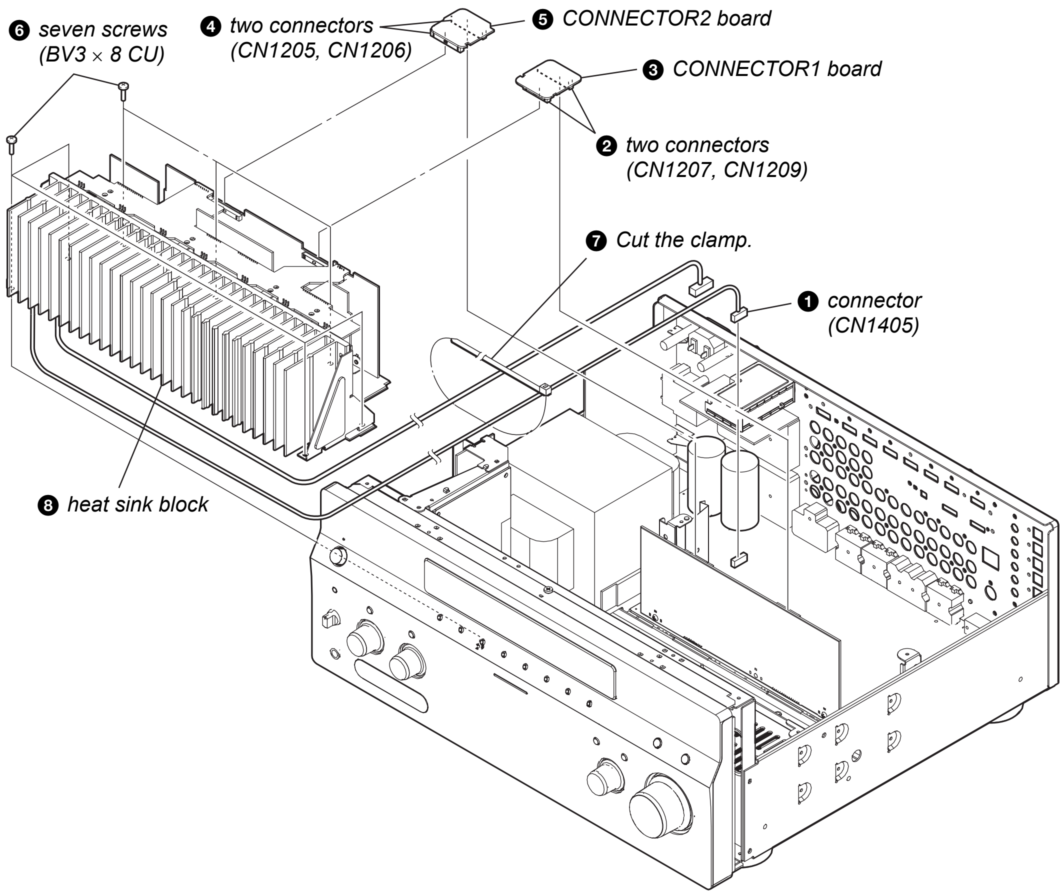
3-7. A-VIDEO BOARD



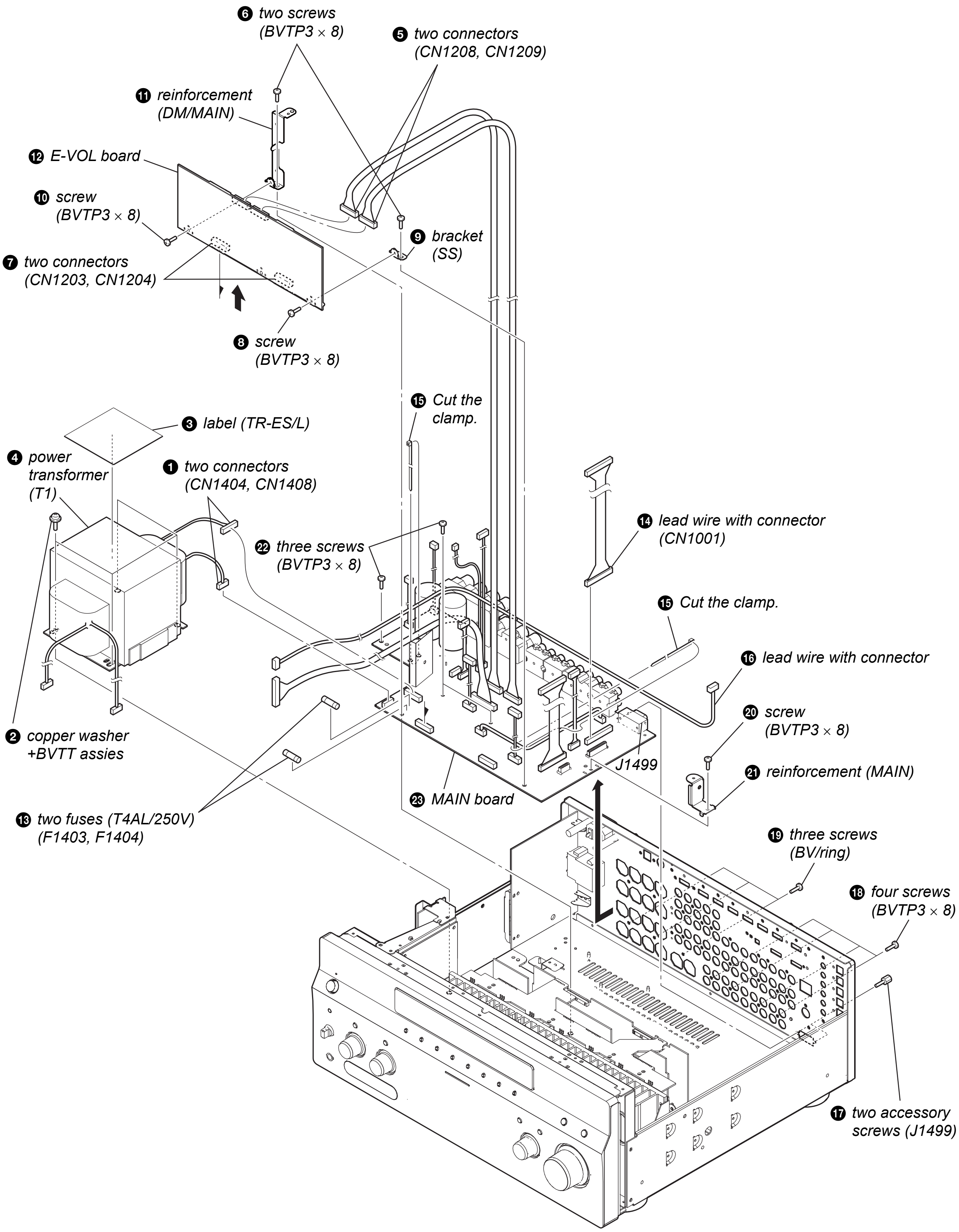
3-8. ANALOG BOARD



3-9. HEAT SINK BLOCK



3-10. POWER TRANSFORMER (T1), E-VOL/MAIN BOARDS



SECTION 4
TEST MODE

HISTORY MODE

The state that the set is used is memorized.

Procedure:

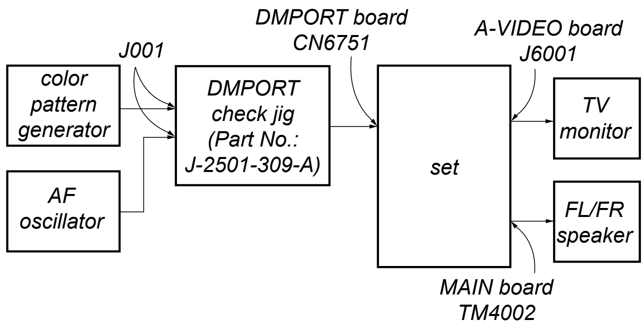
1. While pressing the [MUSIC] and [MEMORY/ENTER] buttons, press the [POWER] button to turn on the power and "HISTORY MODE" is displayed.
2. Each time the [↑]/[↓] buttons of remote commander is pressed, the item is switched in order as follows.

Items	Display
Protect code and channel	PRCT NO/CH: XX/XX
Number of protector is generated	PRCT COUNT: XXX
Total use time	TTL_TIME: XXXXH XXM
Sound field	XXXXXXXXXXXXXXXX
Input Selector	INPUT: XXXXXXXXXX
Input mode	INMODE: XXXXXXXXXXXX
Input mode under lock state	DSEL: XXXXXXXXXXXXXXX
Stream under input	STREAM: XXXXXXX
Channel information	CONFIG:XXXXXXX
State of headphone	HEAD PHONES: XXX
Volume	VOL: XXXdB
EQ setting value	BASS: XXXdB
	TREB: XXXdB
Level collection value each channel	Lv FL/FR XXXX/XXXX
	Lv SL/SR XXXX/XXXX
	Lv CT/SW XXXX/XXXX
	Lv BL/BR XXXX/XXXX
Total time of power on	TTL_P_ON: XXXXH XXM

DIGITAL MEIDA PORT TEST

Procedure:

1. Connect the DMPORT check jig (P/N: J-2501-309-A) with the DMPORT jack (CN6751) on the DMPORT board.
2. While pressing the [A.F.D.] and [HDMI IN] buttons, press the [POWER] button to turn on the main power.
3. The message "DMPORT OK." appears on the fluorescent indicator tube and enter the digital media port test mode. (Confirmation of communication line)
   When "NO DETECT", "UART NG" and "UART TO" are displayed on the fluorescent indicator tube, confirm the connection of the DMPORT check jig, and enter the mode again.
   Each time the [▶▶I] button on the remote commander is pressed, the connect check and adaptor version check are switched.
   Press the [I◀◀] button on the remote commander, connected confirmation of the DMPORT check jig is done again.
4. To a pinjack of the DMPORT check jig input information relevant to audio signal (sine-wave 1.0V rms) and composite video signal (white 100% 1.0Vp-p, color bar, etc.).
5. Confirm the output of speakers and monitor TV. (Confirmation of analog signal)
6. To release from this mode, press the [■] button on the remote commander.



XM FACTORY TEST MODE
(US and Canadian models only)

Mode to confirm operation of XM. Doing display of ID of XM antenna and output of audio signal that XM antenna generates, it is confirmed that there are no problems in the communication of the XM antenna and the tranmission of the audio signal.

Procedure:

1. The XM antenna was connected, while pressing the [TUNING MODE] and [MOVIE] buttons, press the [POWER] button to turn on the main power.
2. Whenever the [DISPLAY] button is pressed, the output of the audio signal of 1 kHz L/R, 20 Hz L/R, 5 kHz L/R, muting, 1 kHz L and 1kHz R are switched.

SIRIUS FACTORY TEST MODE
(US and Canadian models only)

Mode to confirm operation of SIRIUS. Doing display of ID of SIRIUS antenna and output of audio signal that SIRIUS antenna generates, it is confirmed that there are no problems in the communication of the SIRIUS antenna and the tranmission of the audio signal.

Procedure:

1. The SIRIUS antenna was connected, while pressing the [TUNING MODE] and [A.F.D.] buttons, press the [POWER] button to turn on the main power.
2. Whenever the [DISPLAY] button is pressed, the output of the audio signal of 1 kHz L/R, 20 kHz L/R, 10 Hz L/R, noise L, noise R, muting are switched.

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the [MOVIE] and [HDMI IN] buttons, press the [POWER] button to turn on the main power.
2. All segments and all LEDs turn on. Each time [DISPLAY] button to change as follows all on, test pattern 1, test pattern 2, all off, all on in this order.

S.F LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the [MUSIC] and [HDMI IN] buttons, press the [POWER] button to turn on the main power.
2. Either the message “SF LOCK [OFF]” or “SF LOCK [ON]” appears.

SOUND FIELD CLEAR MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [MUSIC] button, press the [POWER] button to turn on the main power.
2. The message “S. F. Initialize” appears and initialization is performed.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE (US and Canadian models only)

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the [POWER] button to turn on the main power.
2. Turn the [INPUT SELECTOR] dial to select the “AM”.
3. Press the [POWER] button to turn off the main power.
4. While pressing the [TUNING MODE] button, press the [POWER] button to turn on the main power.
5. Either the message “AM 9k Step” or “AM 10k Step” appears, select the desired step.

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the [TONE MODE] and [HDMI IN] buttons, press the [POWER] button to turn on the main power.
2. The message “MEMORY CLEARING***” appears and the memories are reset to the default values.
3. When done, the message “MEMORY CLEARED*” appears.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the [2CH/A. DIRECT] button, press the [POW ER] button to turn on the main power.
2. Either the message “COMMAND MODE [AV1]” or “COM MAND MODE [AV2]” appears. Select the desired mode.

SPECIAL MENU MODE

Procedure:

1. Press the [POWER] button to turn on the main power, then while pressing the [TONE MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE] button in order, the message “MENU SPECIALIZED!” appears.
2. Press the [↑]/[↓] buttons of the remote commander, the message “<<< SPECIAL >>>” appears.
3. Press the [➡] button of the remote commander, the item is appears.
4. Each time the [↑]/[↓] buttons of the remote commander is pressed, the item is switched in order as follows.
   Some items can change the content. Display the cursor by pressing the [➡] button of the remote commander, and changing the content by pressing the [↑]/[↓] buttons of the remote commander, and fix the content by pressing the [⬅] button of the remote commander when you want to change the content of the item.
5. To release from this mode, while pressing the [TONE MODE] button, press the [A.F.D.], [2CH/A. DIRECT], [MUSIC], [MOVIE] button in order again, the message “MENU SPECIALIZED OFF” appears.

Items	Display	Remark
SYSTEM version display	SYSTEM VERSION X.XXX	X.XXX: System software version
MAIN Ucom version display	MAIN ##### *** vX. XX	#####: Model ***: Destination X.XX: Main controller software version
Video Ucom version display	Video Ucom Ver X. XX	X.XX: Video system controller software version
FAROUDJA version display	FAROUDJA Ver X. XX	X.XX: Video processor software version (main zone)
FAROUDJA (2nd) version display	FAROUDJA2ND Ver X. XX	X.XX: Video processor software version (2nd zone)
GUI CG-ROM version display	GUI CGROM Ver X. XX	X.XX: CG-ROM software version
DSP Ucom version display	DSP Ucom Ver X. XX	X.XX: DSP controller version
DSP serial flash version display	DSP SFLASH Ver X. XX	X.XX: Serial flash software version
DSP parallel flash version display	DSP PFLASH Ver X. XX	X.XX: DSP parallel flash version
DSP debug menu	<DSP DEBUG MENU>	Not used for the servicing
FAROUDJA update	FAROUDJA UPDATE [XXX]	XXX: ON or OFF
HDCP key read	HDCP KEY READ [XXX]	Not used for the servicing
Model/destination change	MODEL [##### **** XX]	Not used for the servicing
Video factory menu	<VIDEO FACTORY MENU>	Menu mode to enter video calibration menu and DDR access check menu If the [ENTER] button of the remote commander is pressed, entering the menu, and operating two the following menu become possible
Video calibration (Video factory menu)	V.CALIBRATION START?	Procedure: 1. “DVD” is selected by using [INPUT SELECTOR] dial. 2. Connect a color pattern generator to the COMPONENT VIDEO ASSIGNABLE (INPUT ONLY) IN2 jack (J6007) on the A-VIDEO board and DVD VIDEO IN jack (J6003) on the A-VIDEO board. 3. Input 100% color bars signal from the color pattern generator. 4. Menu that measures individual difference of hardness by automatic operation in pressing the [ENTER] button of the remote commander, and corrects reference value. In a measurement once, only one of NTSC/PAL/HD can be measured, repeat NTSC/PAL/HD calibration from procedure 4. “Check XXXX V-IN” at display: Video signal necessary for the measurement while measuring it last time was not detected and it became an error Confirm the input of the video of the terminal connection etc., and measure the [ENTER] button of the remote commander again pressing
DDR access check	DDR CHECK [XX] sec	XX: Time to do access check on DDR (for design evaluation) (Video factory menu)
Auto cal mic test	SPEAKER OUT [XXXXX]	XXXXX: Selection of speaker output audio [SOURCE]: nomally mode, [MIC]: mode that output audio from mic from speaker
FL display fonts test	FL FONT [0x ** = X]	**: 20 to FE, X: character
FL display test	ALL ON	Each time [DISPLAY] button to change as follows all on → test pattern 1 → test pattern 2 → all off → all on
Super reset	SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “memory clearing mode”
RAM watch menu	XXX	Not used for the servicing

Items	Display	Remark
EERROM debug	EEPROM [****] [XX]	Not used for the servicing
Protector on/off	PROTECTOR ON/OFF [XXX]	Not used for the servicing
Audio swap	SWAP [XXXXXXXXXXX]	Not used for the servicing
Volume value display (FL/FR)	FL**** FR XXXX	Not used for the servicing
Volume value display (SL/SR)	SL**** SR XXXX	Not used for the servicing
Volume value display (CT/SW)	CT**** SW XXXX	Not used for the servicing
Volume value display (SBL/SBR)	SBL**** SBR XXXX	Not used for the servicing
DAC mute flag upper	DAC MUTE U XXXXXXXX	Not used for the servicing
DAC mute flag lower	DAC MUTE L XXXXXXXX	Not used for the servicing
2nd volume value display	2nd VOLUME XXX	Not used for the servicing
FL display duty change	DARK OUT DUTY [XXX%]	Not used for the servicing
CORTEZ debug read	CORTEZ READ [XXX]	Not used for the servicing
Check H.A.T.S. playback component	CHK HATS COMP [XXX]	Not used for the servicing
H.A.T.S. mode fix	HATS FIX [XXXXXXX]	Not used for the servicing
H.A.T.S. rate cotrol	HATS RATE [XXXXXX]	Not used for the servicing
H.A.T.S. error process	HATS ERR PROC [XXX]	Not used for the servicing
H.A.T.S. error trig	HATS ERR TRIG	Not used for the servicing

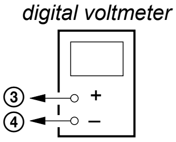
SECTION 5
ELECTRICAL ADJUSTMENTS

BIAS ALIGNMENT ADJUSTMENT

Note: Afer 10 minutes or more have passed since the power supply was turned on, this adjustment is done.

Connection:

CN1561 (CN1611, CN1761, CN1861) pin ①, CN1561 (CN1761, CN1861) pin ③
CN1561 (CN1611, CN1761, CN1861) pin ②, CN1561 (CN1761, CN1861) pin ④



Note: Pin ③, ④ of CN1611 are open.

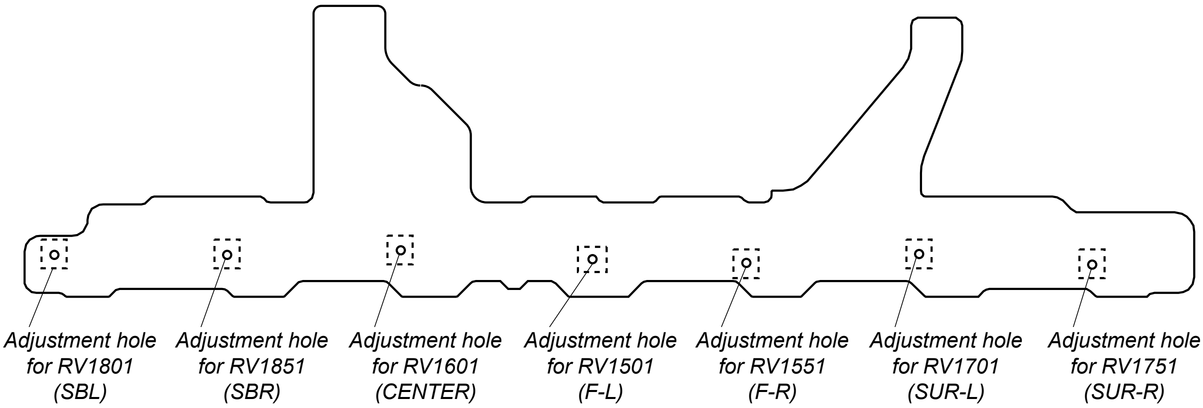
Procedure:

1. Connect a digital voltmeter to the CN1561 (CN1611, CN1761, CN1861).
2. Press the [POWER] button to turn on the main power.
3. Adjust the RV1501 (RV1551, RV1601, RV1701, RV1751, RV1801, RV1851) so that the digital voltmeter reading is 5 mV to 20 mV.

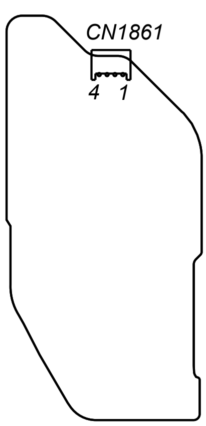
Note: Adjust for the digital voltmeter reading to become 5 mV as much as possible.

Adjustment and Connection Location:

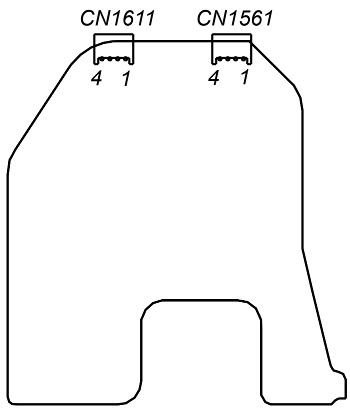
– BIAS Board (Conductor Side) –



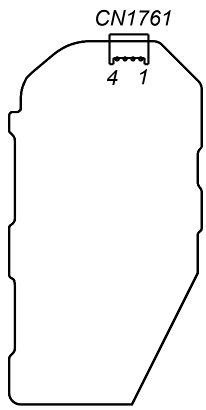
– PROTECTOR (SB) Board (Component Side) –



– PROTECTOR (F-C) Board (Component Side) –



– PROTECTOR (SURR) Board (Component Side) –

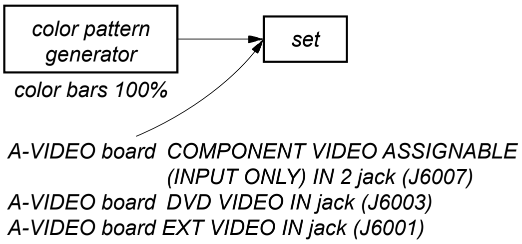


VIDEO CALIBRATION ADJUSTMENT

Adjustment to decide the standard of the video input signal.

Note: After replacing D VIDEO board, or after "SUPER RESET" of the special menu mode is executed, perform this adjustment.

Connection:



Procedure:

1. "DVD" is selected by using [INPUT SELECTOR] dial.
2. Connect a color pattern generator to the COMPONENT VID EO ASSIGNABLE (INPUT ONLY) IN 2 jack (J6007) on the A-VIDEO board and DVD VIDEO IN jack (J6003) on the A-VIDEO board and EXT VIDEO IN jack (J6001) on the A-VIDEO board.
3. Input NTSC color bars signal from the color pattern generator.
4. Enter the special menu mode referring to the "SPECIAL MENU MODE" (refer to page 23) of the test mode.
5. Press the [↑]/[↓] buttons on the remote commander to select the "VIDEO FACTORY MENU", and press the [ENTER] button on the remote commander. It enters the test mode, and display as below.

   V.CALIBRATION START? ←→ NTSC : MW--_____
   (PAL input) PAL : MW--_____
   (HD input) HD-V : MW--_____

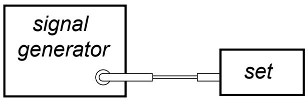
6. In state of step 5, press the [MEMORY/ENTER] button. The adjustment is automatically completed, and result is written in the EEPROM, and display as below.

   (NTSC input) V. CAL. OK N: _:_/N: _ _
   (PAL input) V. CAL. OK N: P:_/N: P: _
   (HD input) V. CAL. OK N: P:H/N: P: H

   When "Check XXXX V-IN" is displayed, Video signal necessary for the measurement while measuring it last time was not detected and it became an error. Confirm the input of the video of the terminal connection etc., and measure the [MEMORY/ENTER] button again pressing.

7. Input PAL color bars signal from the color pattern generator.
8. Perform step 4 to 6.
9. Input HD color bars signal (720p or 1080p) from the color pattern generator.
10. Perform step 4 to 6.

FM AUTO STOP CHECK



Procedure:

1. Turn on the set.
2. Input the following signal from signal generator to FM antenna input directly.

Carrier frequency: A = 87.5 MHz, B = 98 MHz, C = 108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

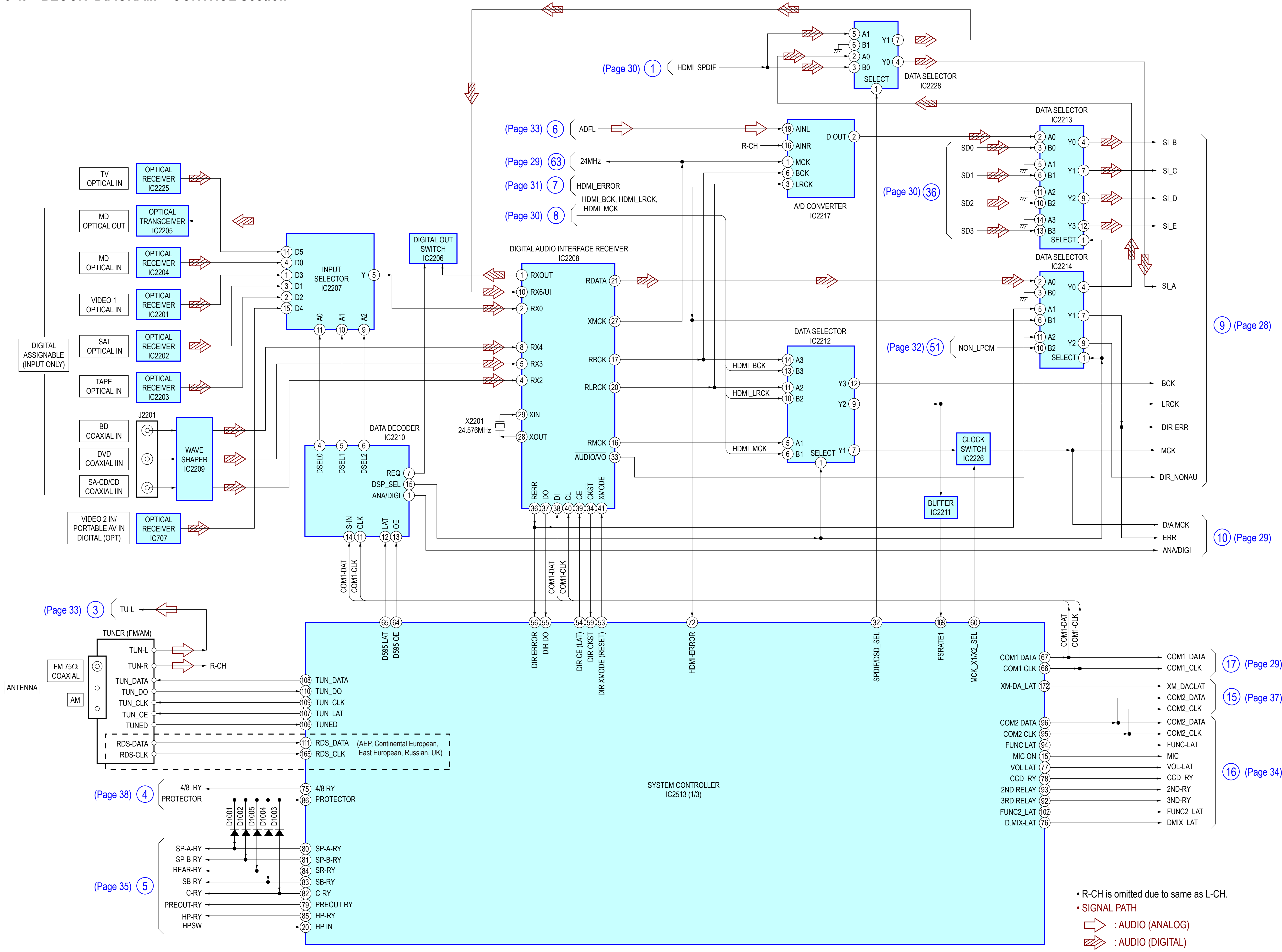
Note: Use 75 ohm coaxial cable to connect signal generator and the set.
You cannot use video cable for checking.
Use signal generator whose output impedance is 75 ohm.

3. Set to FM tuner function and scan the input FM signal with automatic scanning.
4. Confirm that input frequency of A, B and C are detected and automatic scanning stops.

When the station signal is received in good condition, automatic scanning stops.

SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM - CONTROL Section -



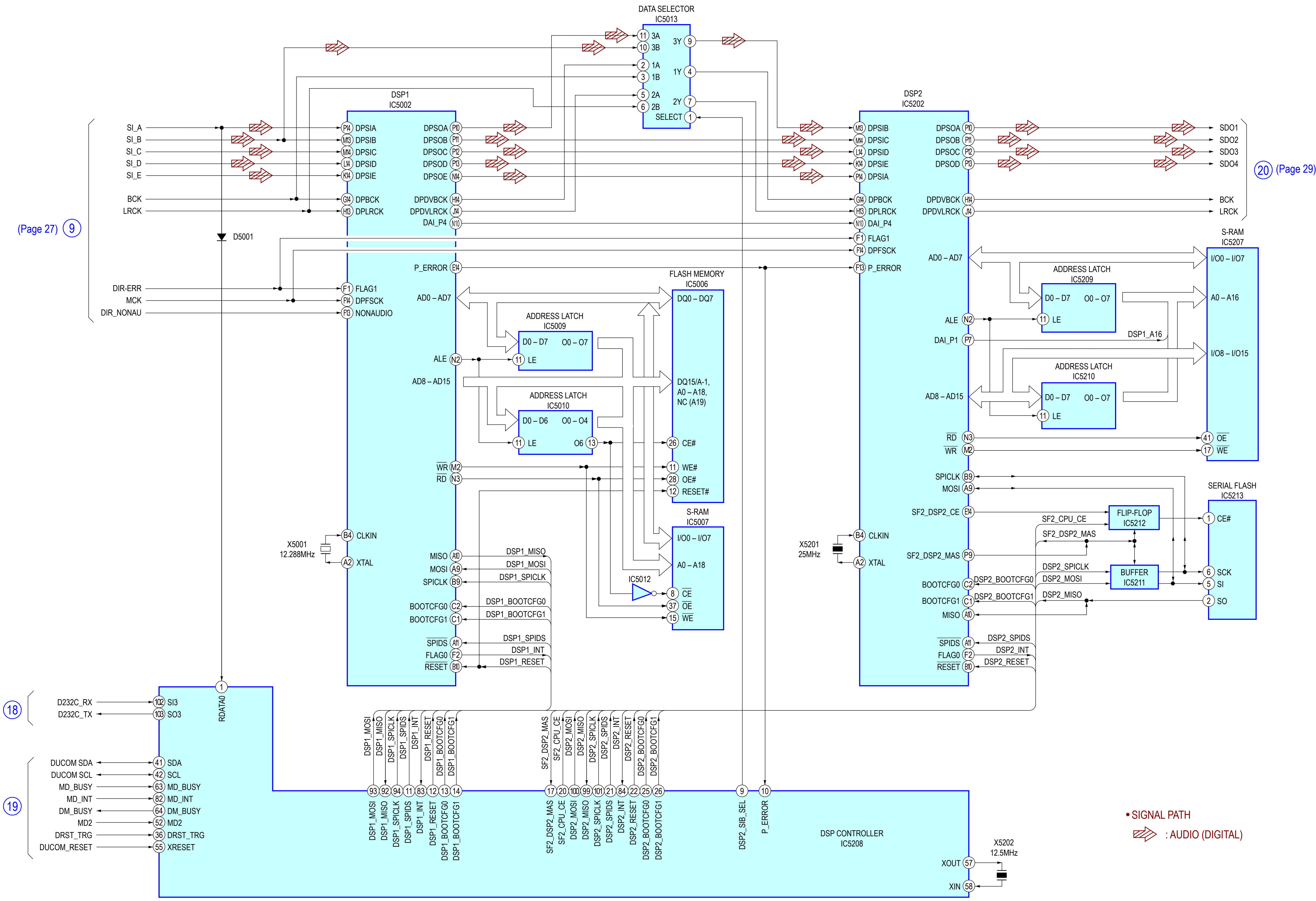
• R-CH is omitted due to same as L-CH.

• SIGNAL PATH

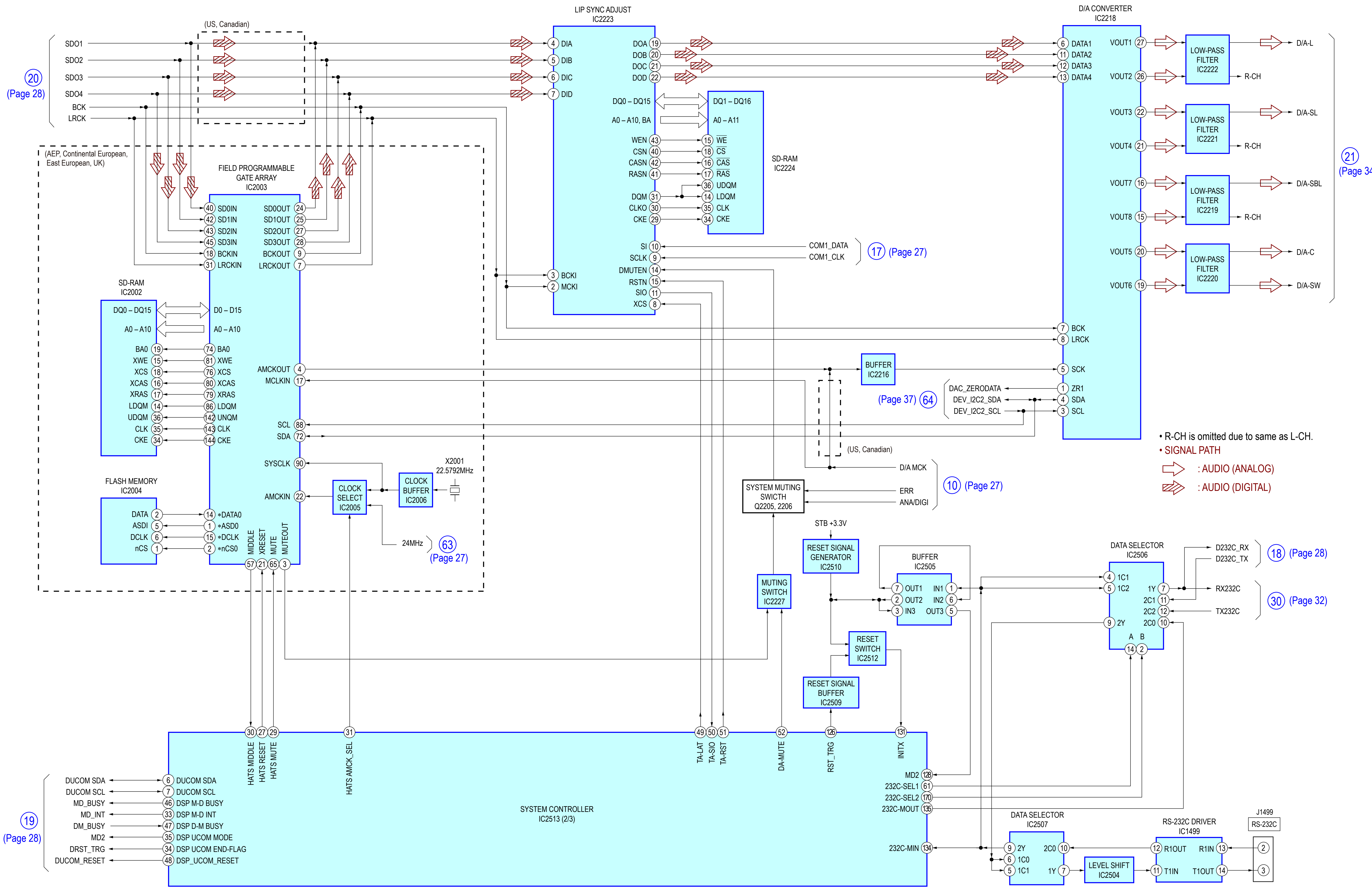
: AUDIO (ANALOG)

: AUDIO (DIGITAL)

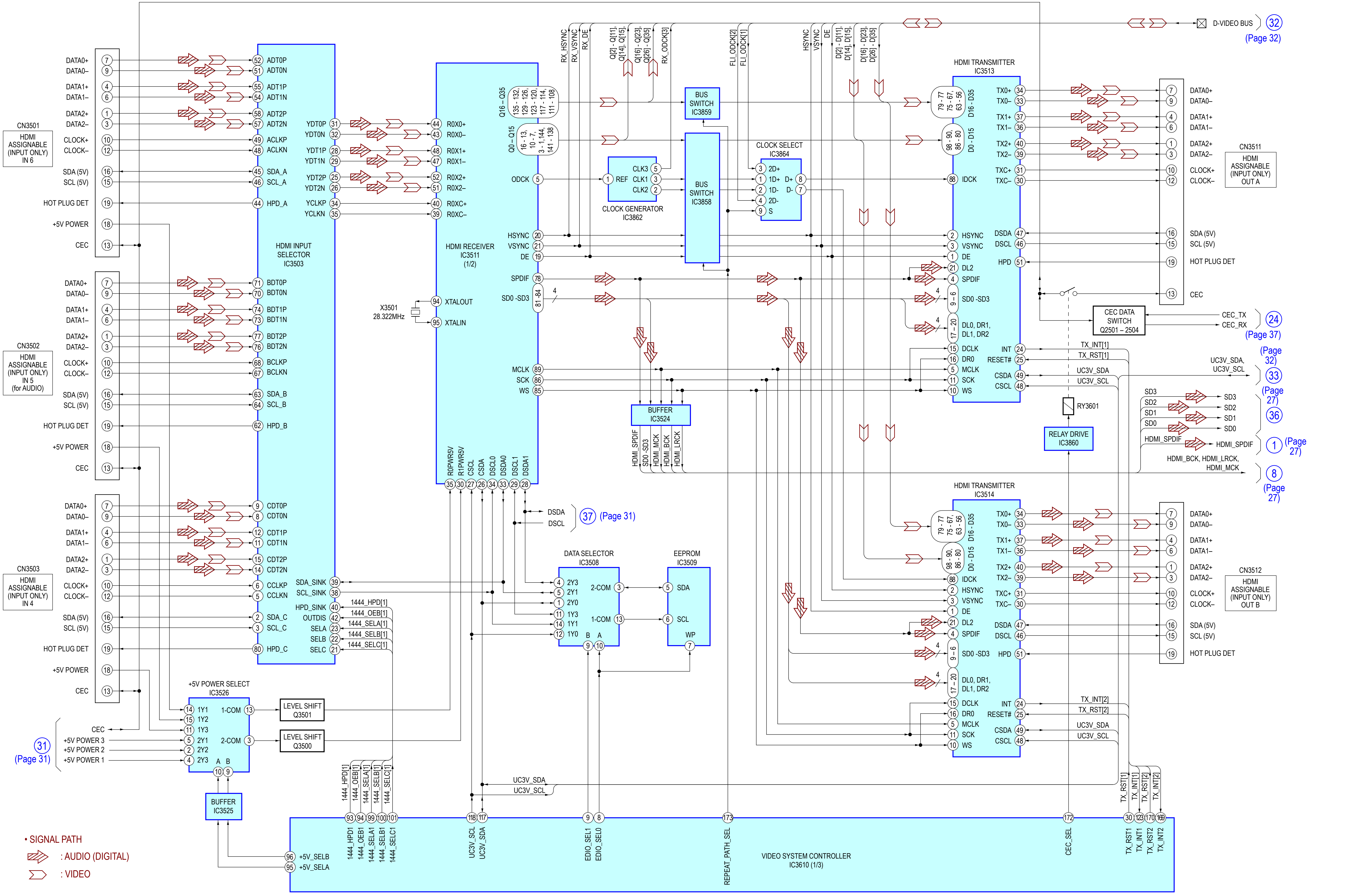
6-2. BLOCK DIAGRAM - DSP Section -



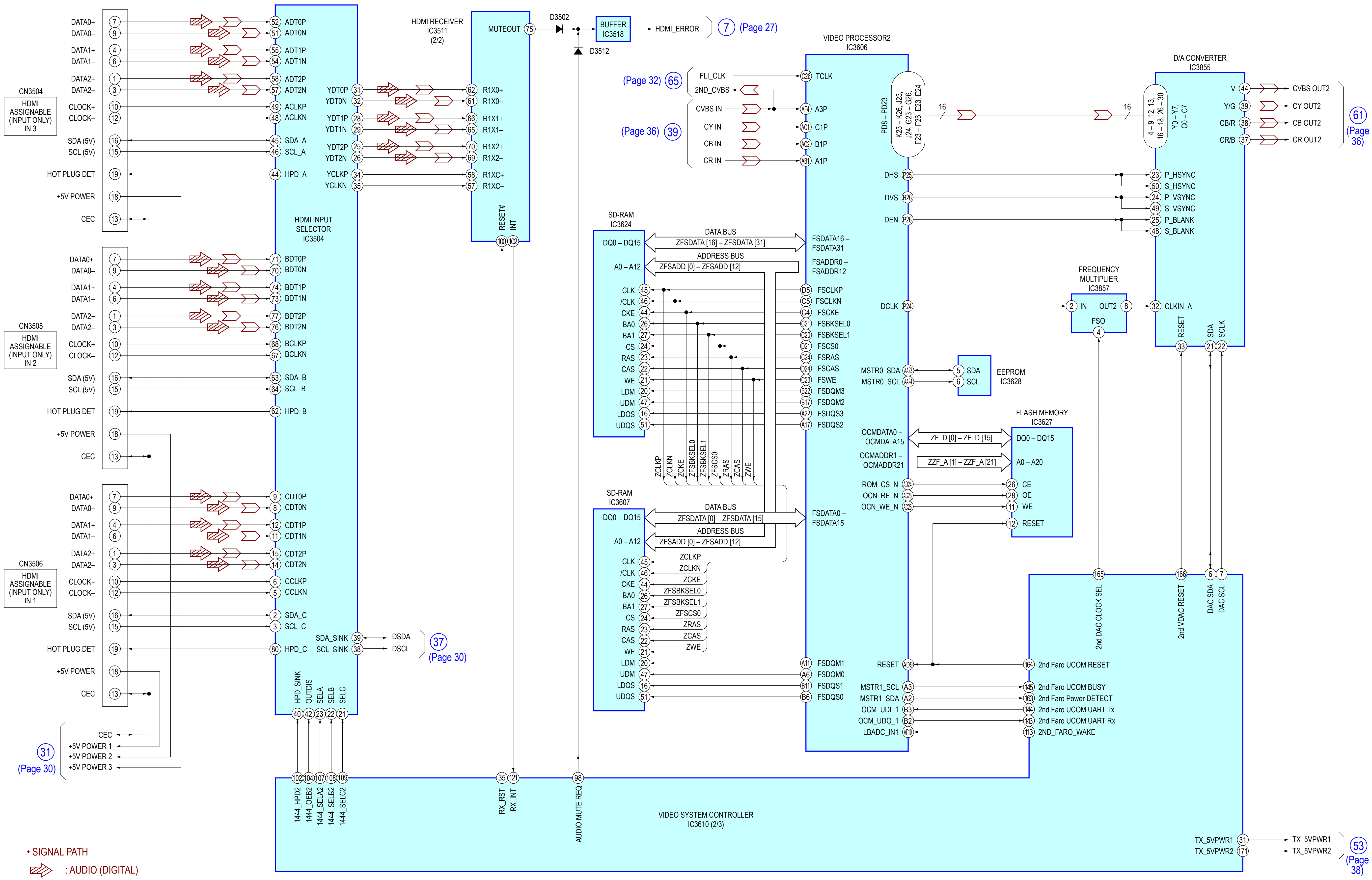
6-3. BLOCK DIAGRAM - DIGITAL AUDIO Section -



6-4. BLOCK DIAGRAM - HDMI Section (1/2) -



6-5. BLOCK DIAGRAM - HDMI Section (2/2) -

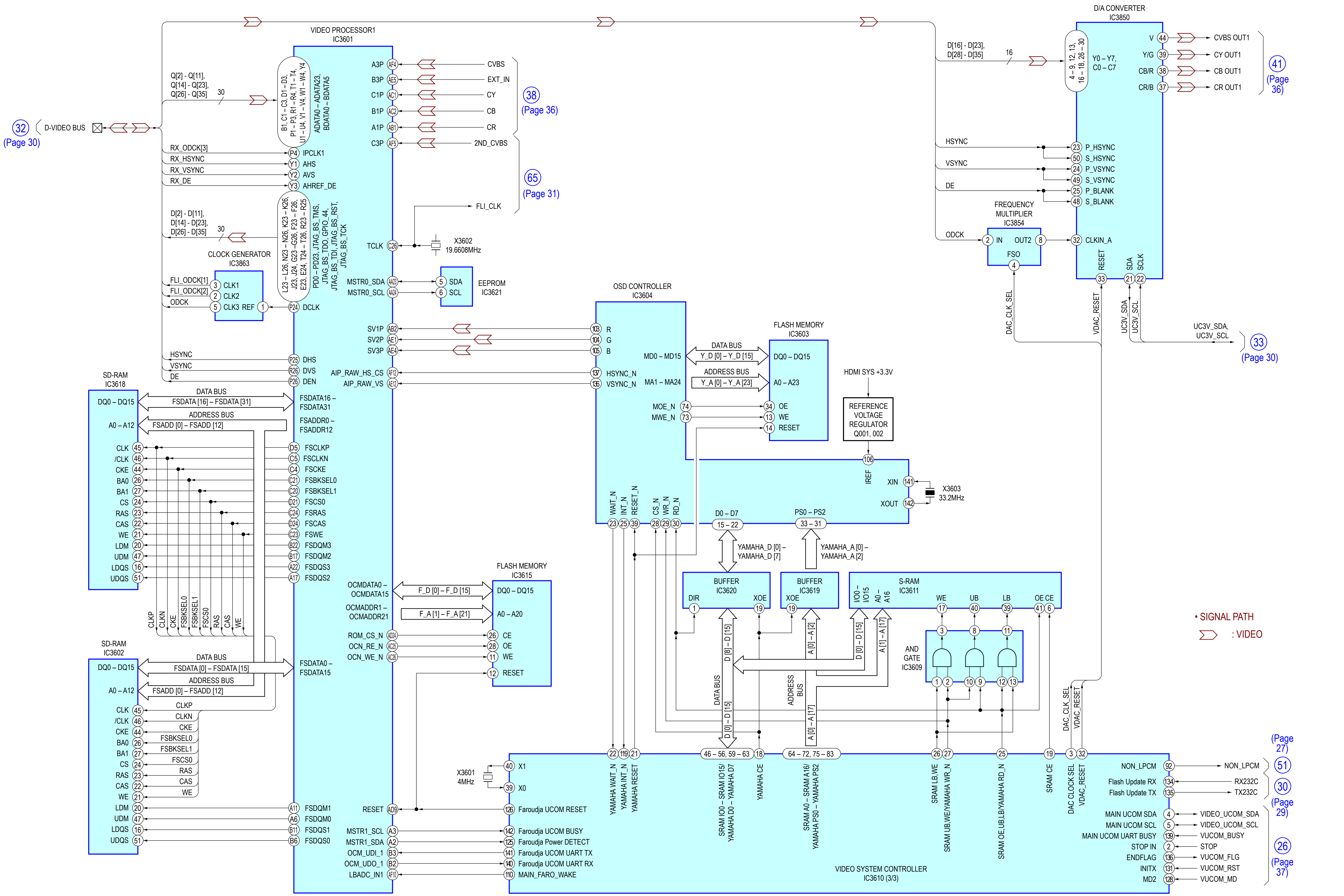


• SIGNAL PATH

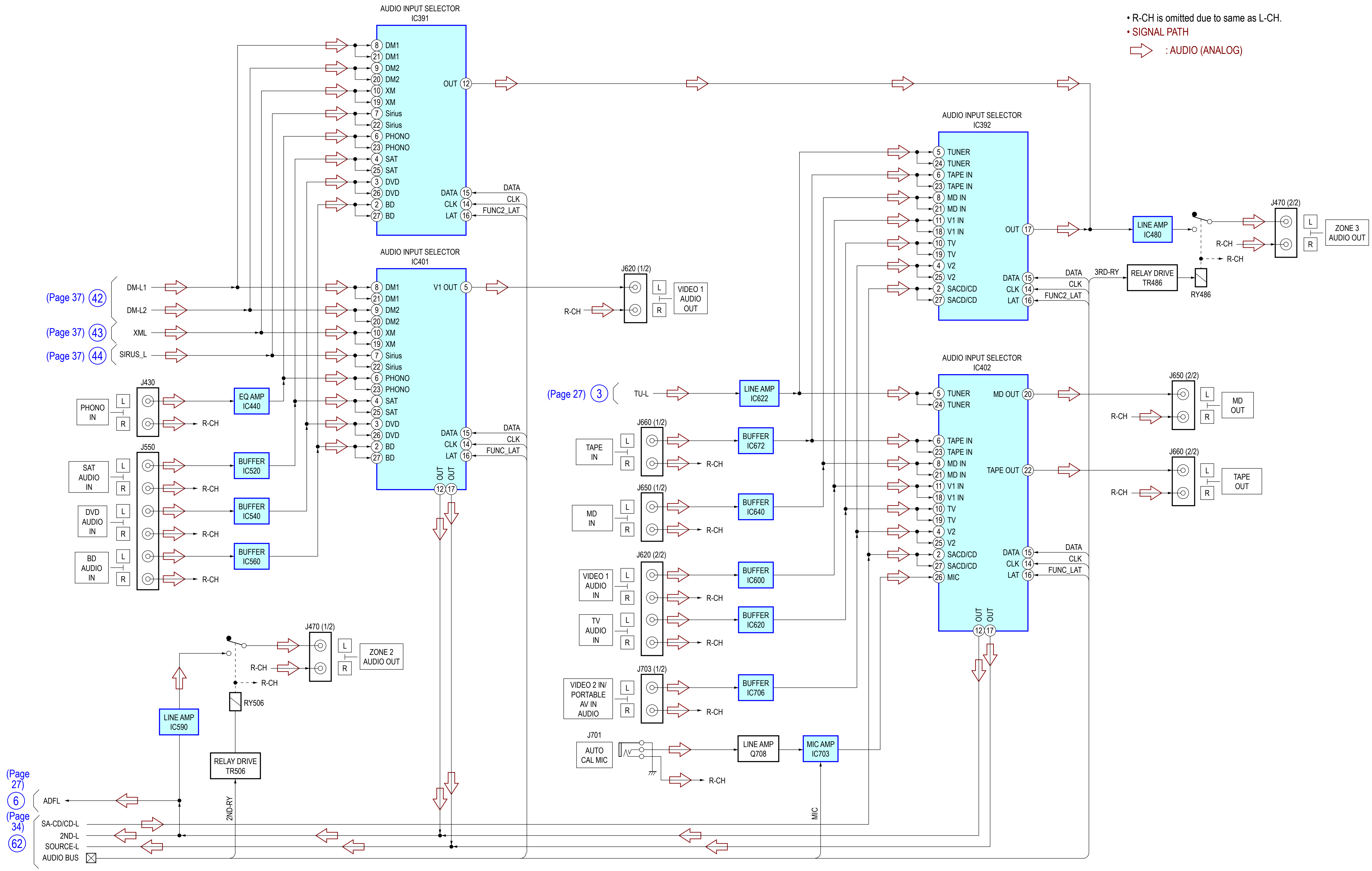
: AUDIO (DIGITAL)

: VIDEO

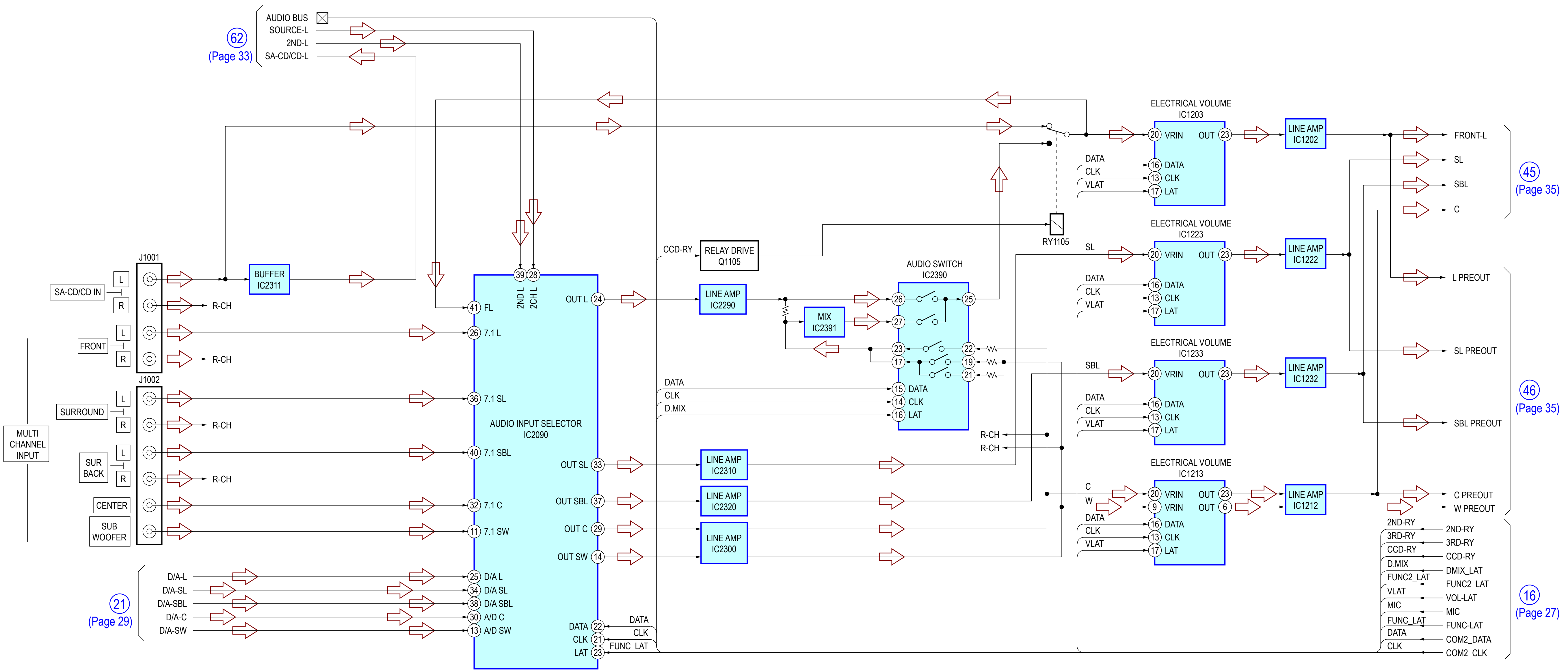
6-6. BLOCK DIAGRAM - VIDEO PROCESS Section -



6-7. BLOCK DIAGRAM - ANALOG AUDIO Section (1/2) -



6-8. BLOCK DIAGRAM - ANALOG AUDIO Section (2/2) -

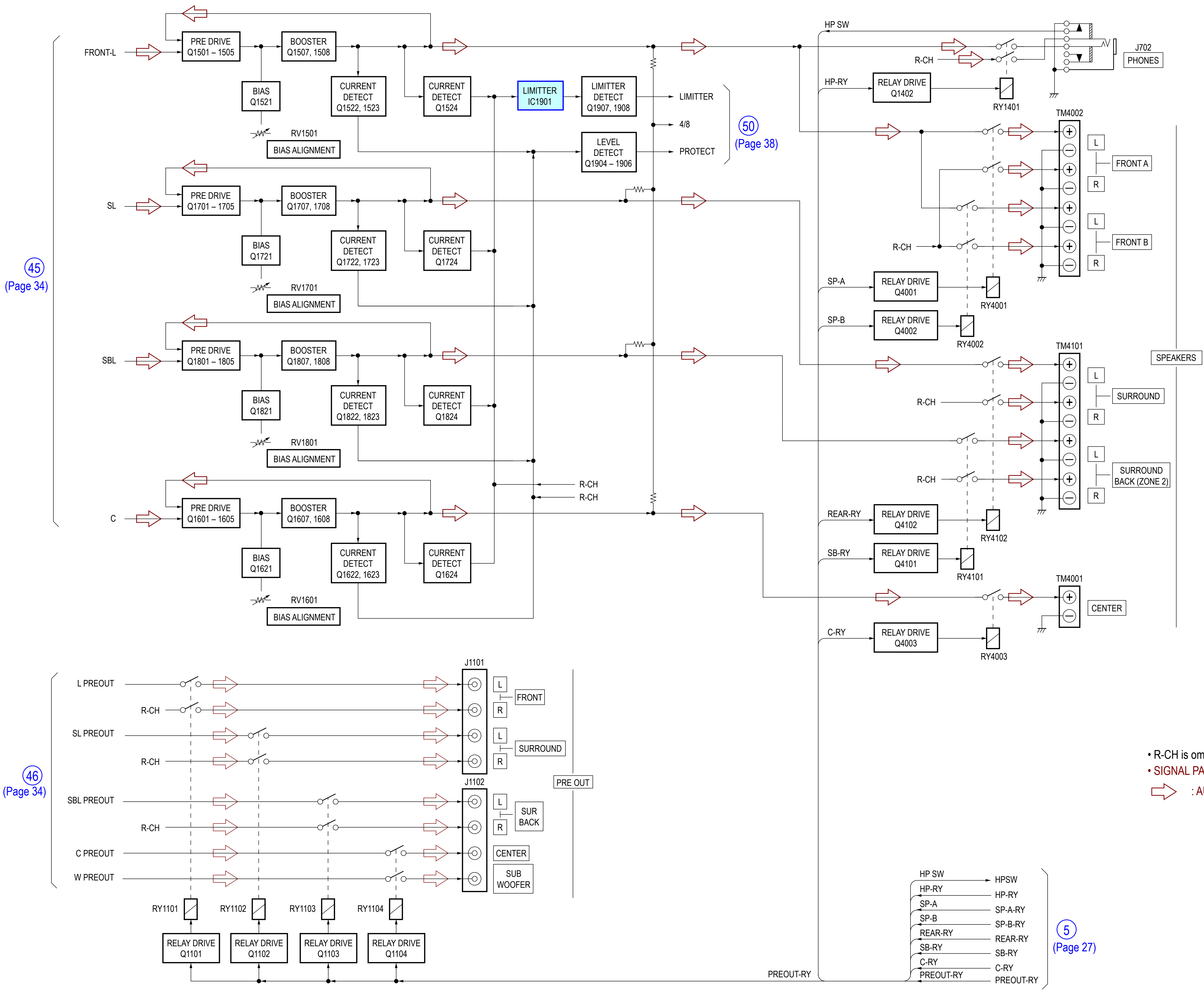


• R-CH is omitted due to same as L-CH.

• SIGNAL PATH

⇨ : AUDIO (ANALOG)

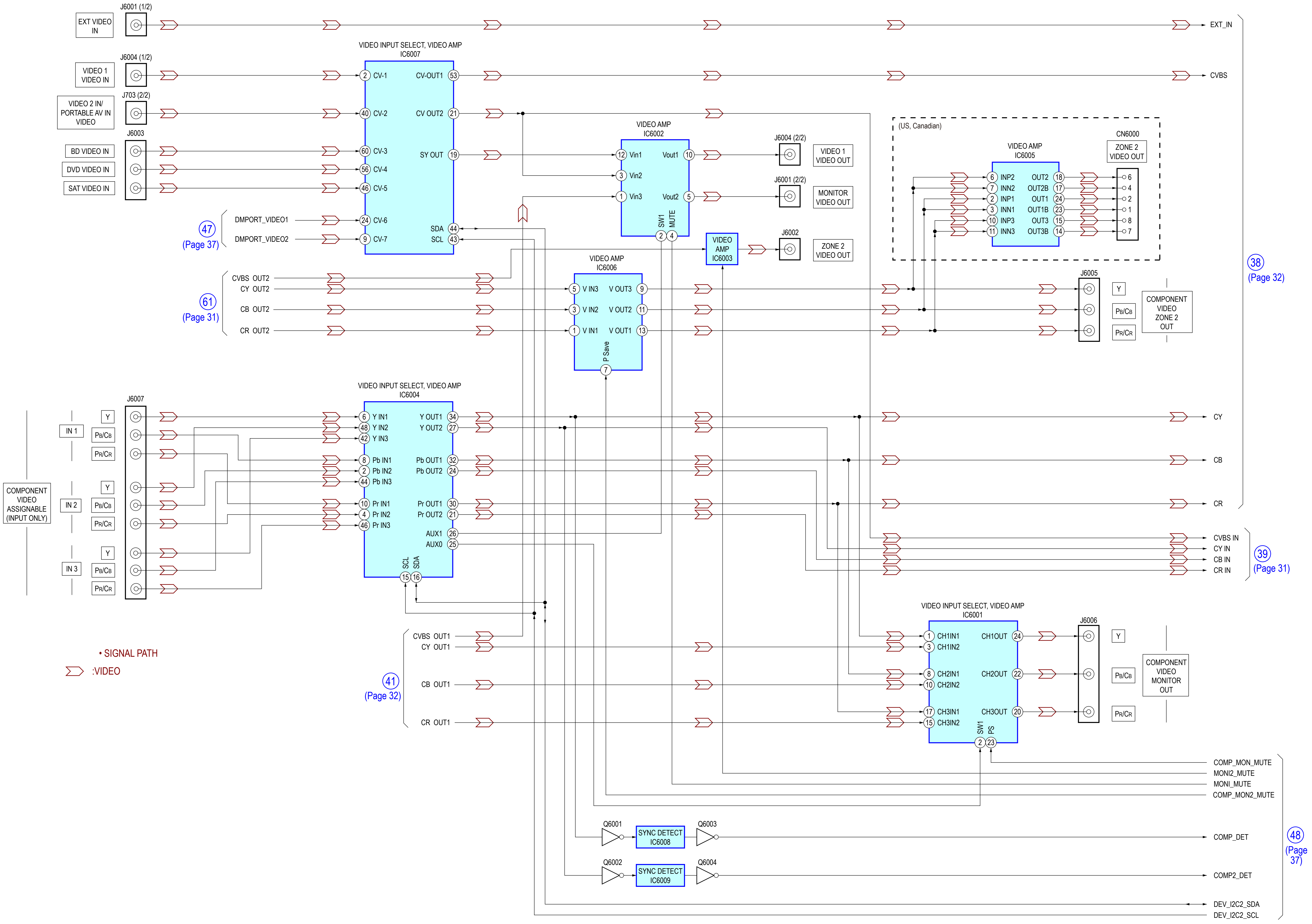
6-9. BLOCK DIAGRAM - POWER AMP Section -



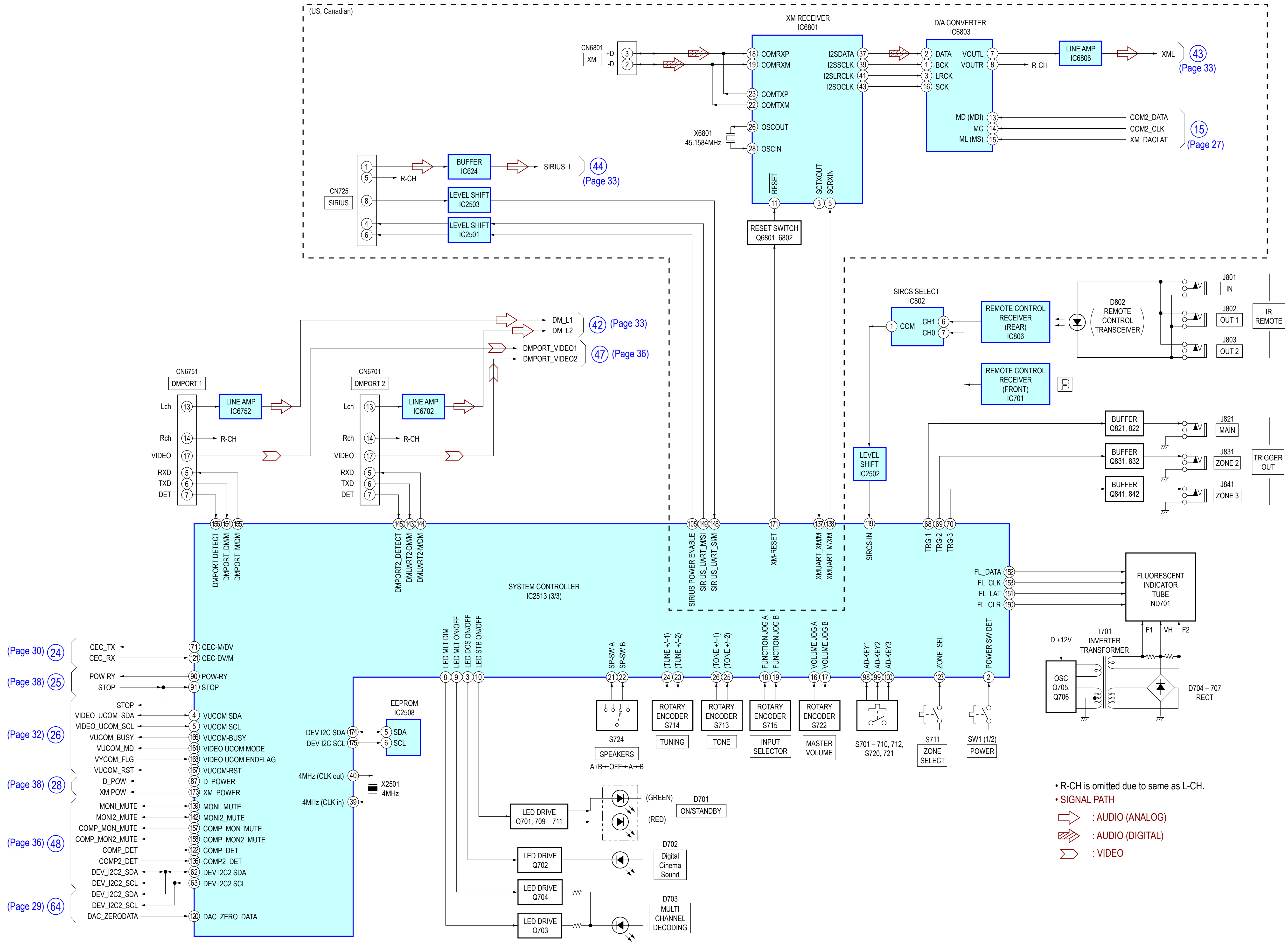
• R-CH is omitted due to same as L-CH.
• SIGNAL PATH

: AUDIO (ANALOG)

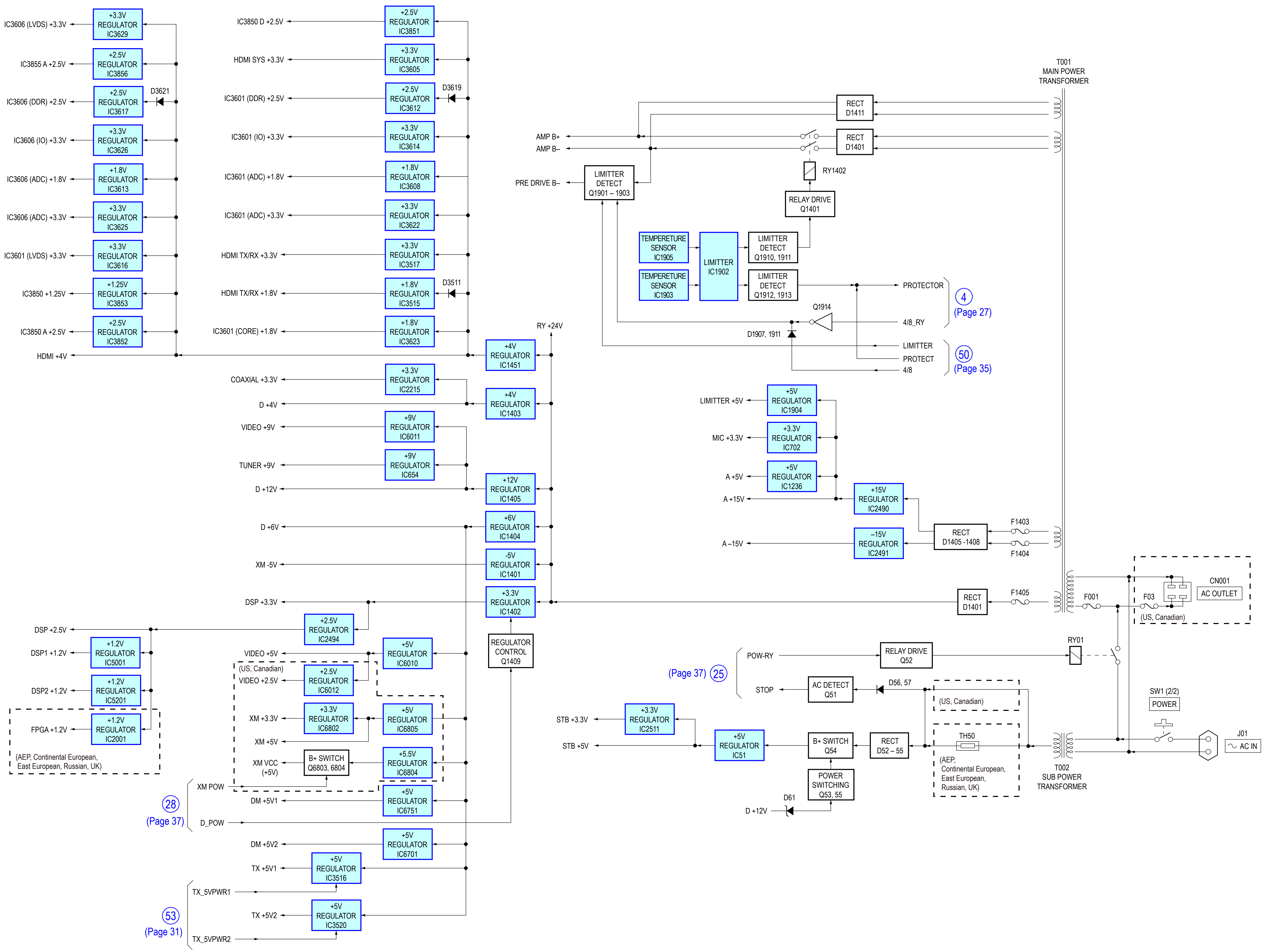
6-10. BLOCK DIAGRAM - VIDEO Section -



6-11. BLOCK DIAGRAM - PANEL, CIS, XM/SIRIUS RECEIVER, DMPORT Section -



6-12. BLOCK DIAGRAM - POWER SUPPLY Section -



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

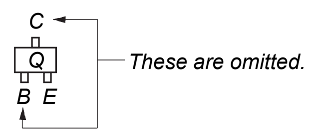
For Printed Wiring Boards.

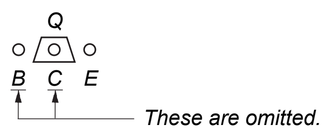
Note:
- o———: Parts extracted from the component side.
- ———: Parts extracted from the conductor side.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.
  (The other layers' patterns are not indicated.)

Caution:	
Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

Caution:	
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

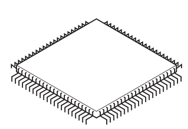
- D VIDEO and DSP boards are multi-layer printed board. However, the patterns of intermediate-layers have not been included in this diagrams.
- Indication of transistor.



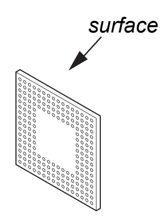


> * Replacement of IC3601 on the D VIDEO board used in this set requires a special tool.

- Lead layouts



Lead layout of conventional IC



CSP (Chip Size Package)

For Schematic Diagrams.

Note:
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : nonflammable resistor.
- ▭ : panel designation.

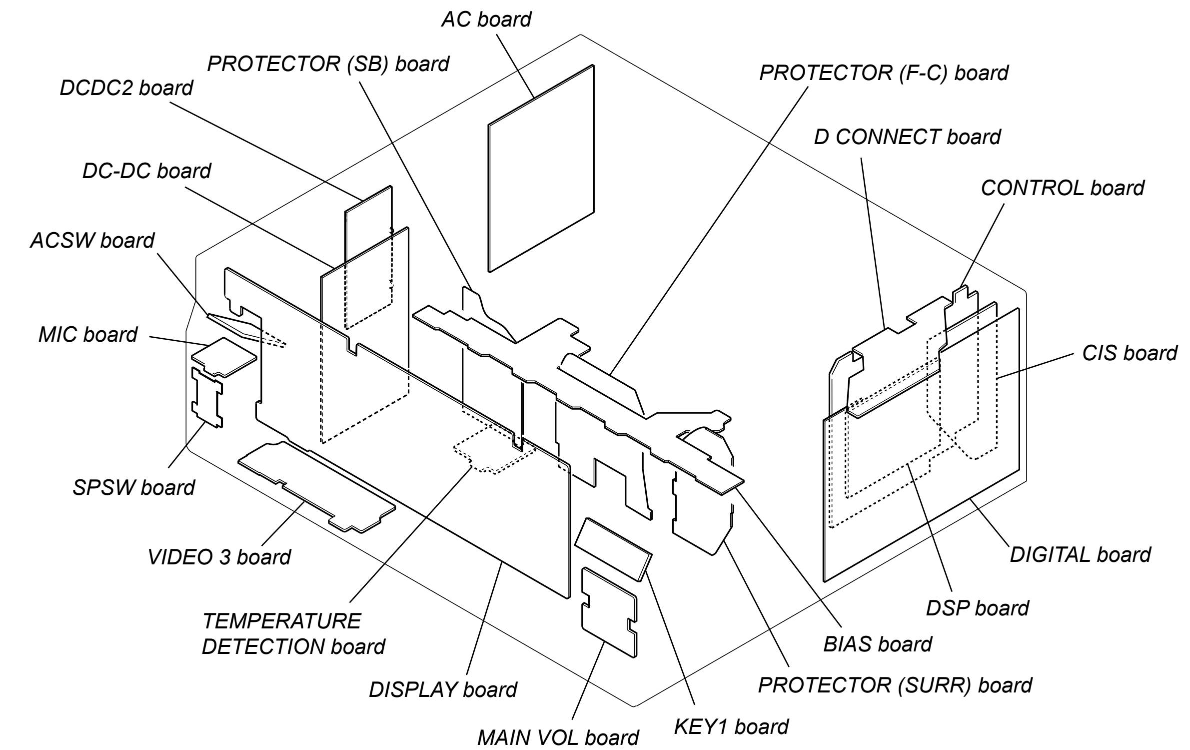
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

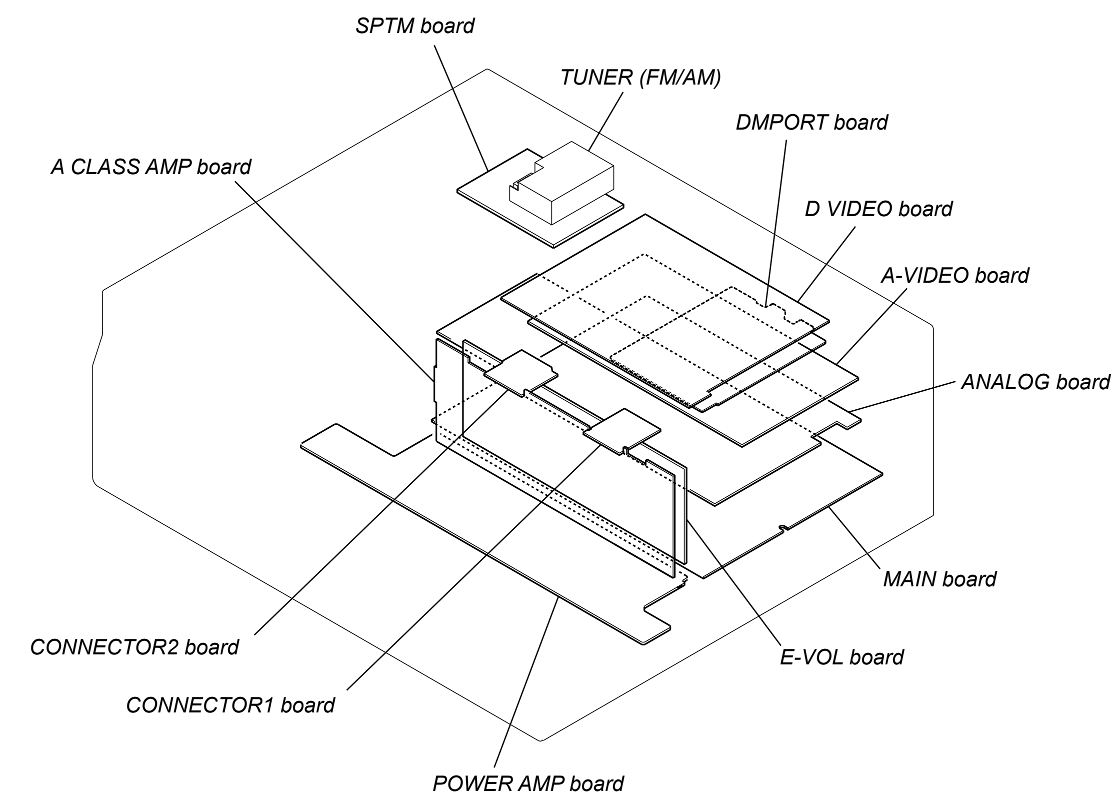
- ▬▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  – A-VIDEO board –
  no mark : VIDEO 1 mode
  – Other boards –
  no mark : TUNER
- Voltages are taken with VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO (ANALOG)
  ⇨ : AUDIO (DIGITAL)
  ⇨ : VIDEO

> * Replacement of IC3601 on the D VIDEO board used in this set requires a special tool.

- The voltage and waveform of CSP (chip size package) cannot be measured, because its lead layout is different from that of conventional IC.
- Abbreviation
  CND : Canadian model
  ECE : Continental European, East European and Russian models

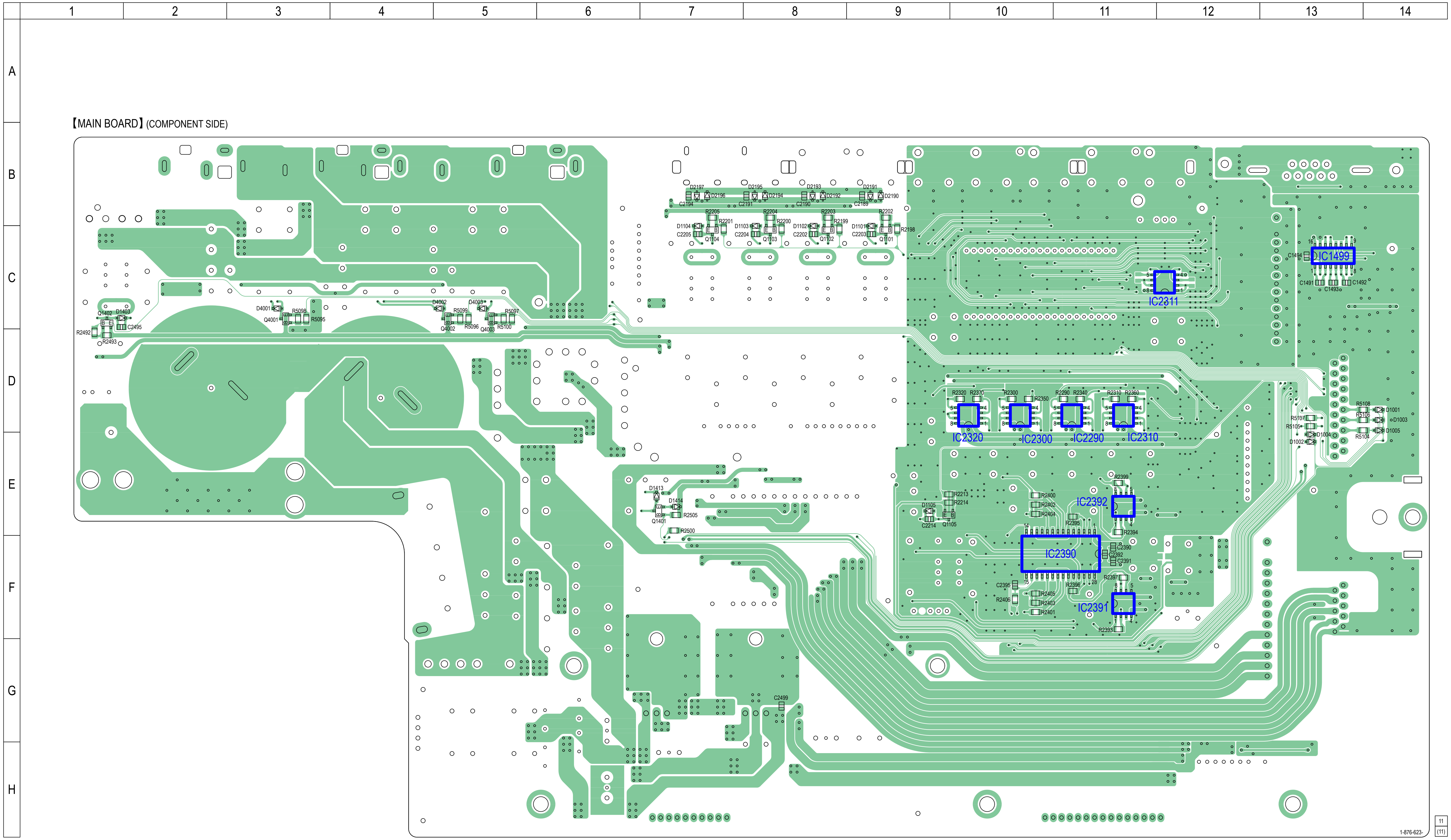
- **Circuit Boards Location**





6-13. PRINTED WIRING BOARD - MAIN Board (Component Side) -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

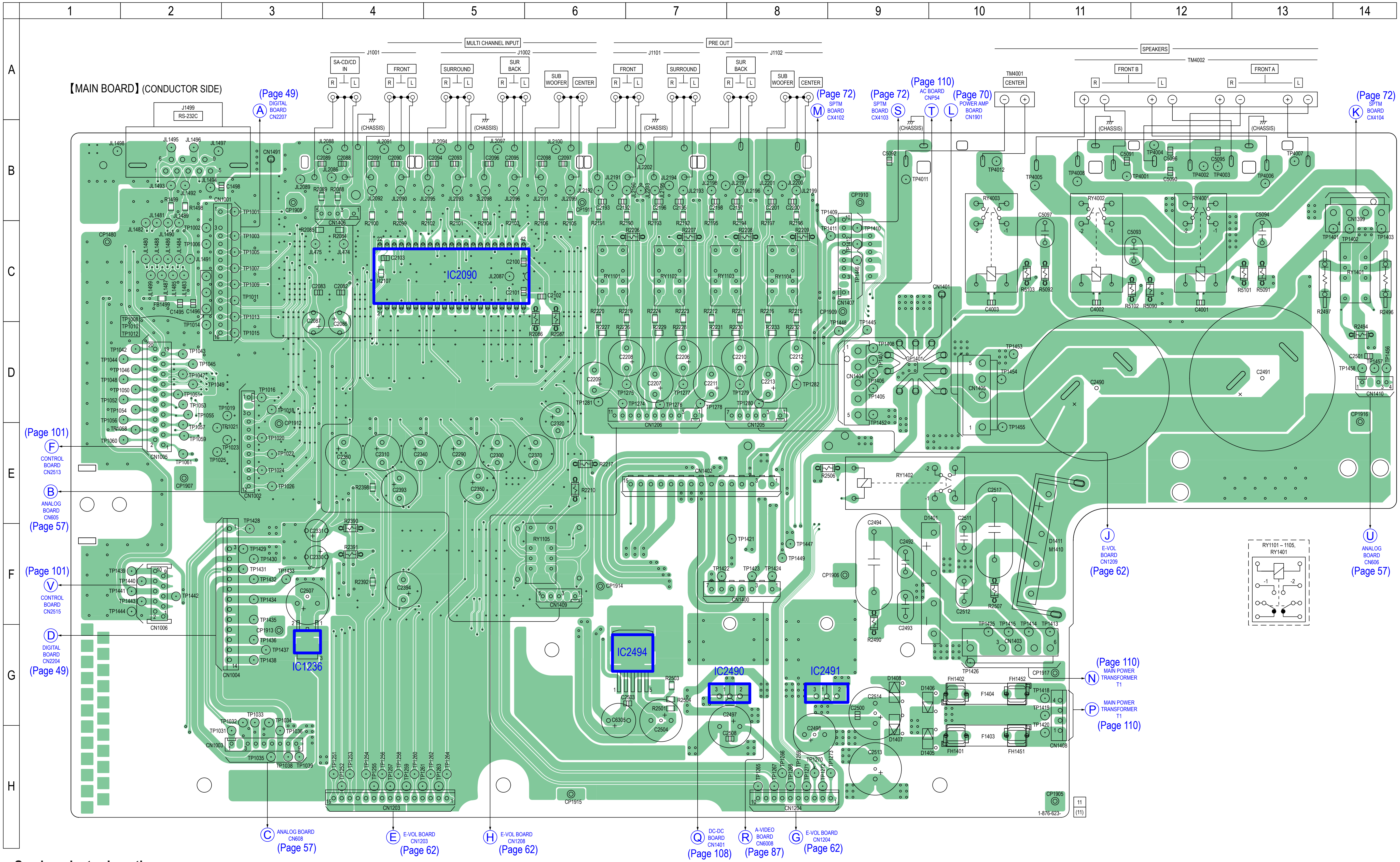


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1001	D-14	D1101	C-9	D1403	C-1	D2192	B-8	D2197	B-7	IC1499	C-13	IC2320	D-10	Q1101	C-9	Q1401	E-7
D1002	E-13	D1102	C-8	D1413	E-7	D2193	B-8	D4001	C-3	IC2290	D-11	IC2390	F-11	Q1102	C-8	Q1402	C-1
D1003	D-14	D1103	C-8	D1414	E-7	D2194	B-8	D4002	C-5	IC2300	D-10	IC2391	F-11	Q1103	C-8	Q4001	C-3
D1004	E-13	D1104	C-7	D2190	B-9	D2195	B-8	D4003	C-5	IC2310	D-11	IC2392	E-11	Q1104	C-7	Q4002	C-5
D1005	D-14	D1105	E-9	D2191	B-9	D2196	B-7			IC2311	C-12			Q1105	E-9	Q4003	C-5

6-14. PRINTED WIRING BOARD - MAIN Board (Conductor Side) -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

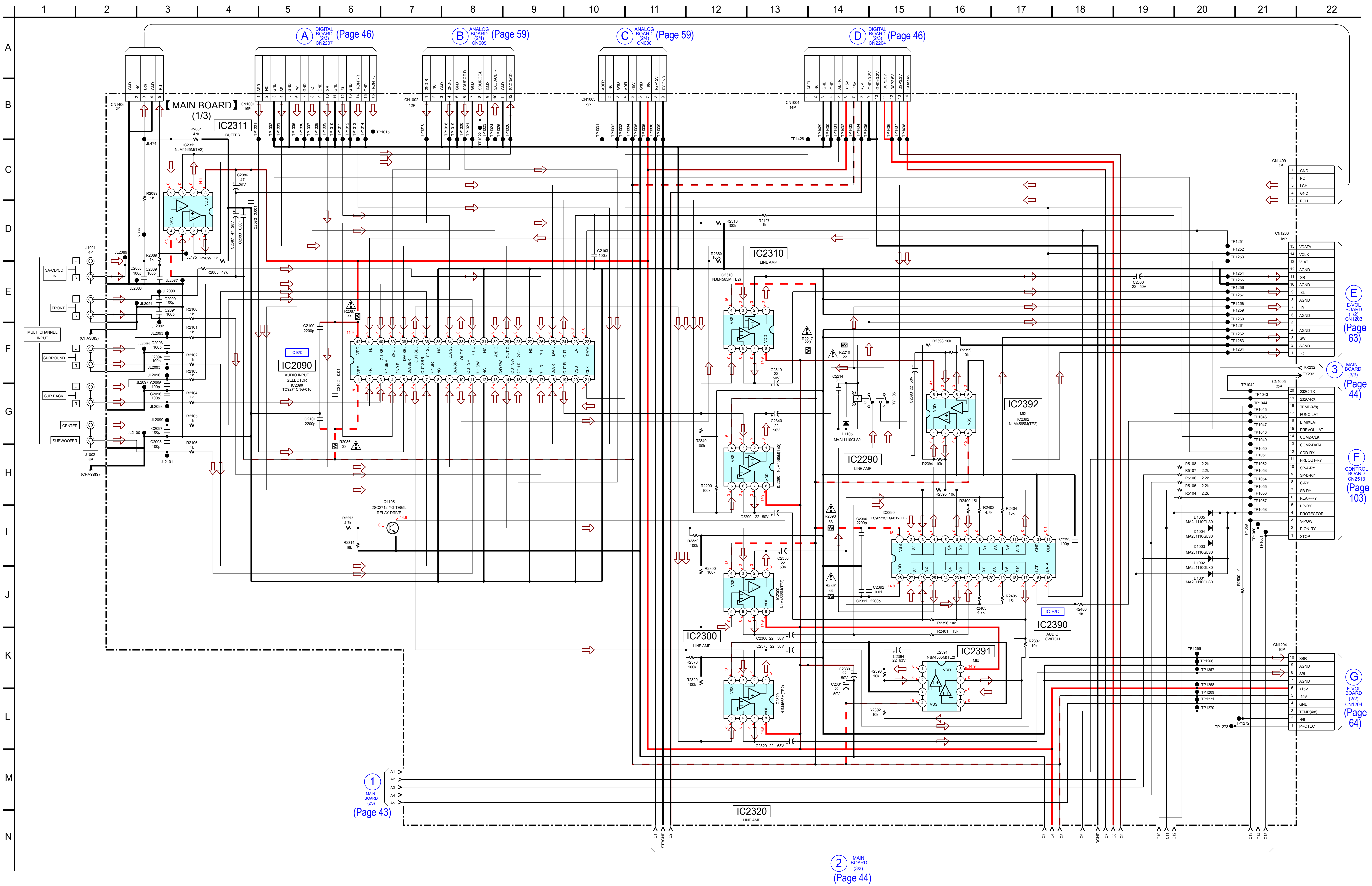


• **Semiconductor Location**

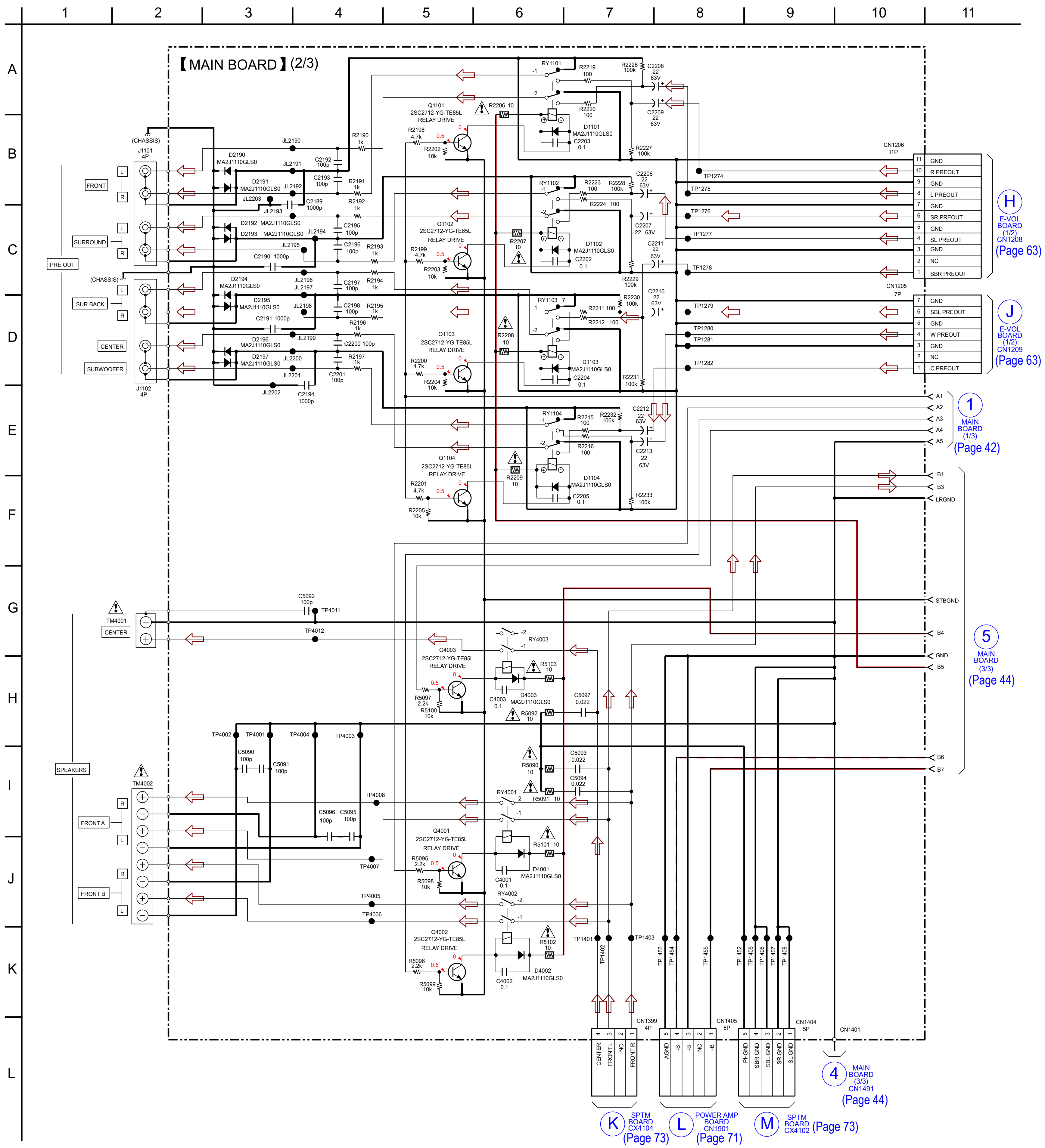
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1401	F-10	D1411	F-11	IC2491	G-8
D1405	H-9			IC2494	G-7
D1406	G-9	IC1236	G-3		
D1407	H-9	IC2090	C-5		
D1408	G-9	IC2490	G-8		

6-15. SCHEMATIC DIAGRAM - MAIN Board (1/3) -

• See page 112 for IC Block Diagrams.

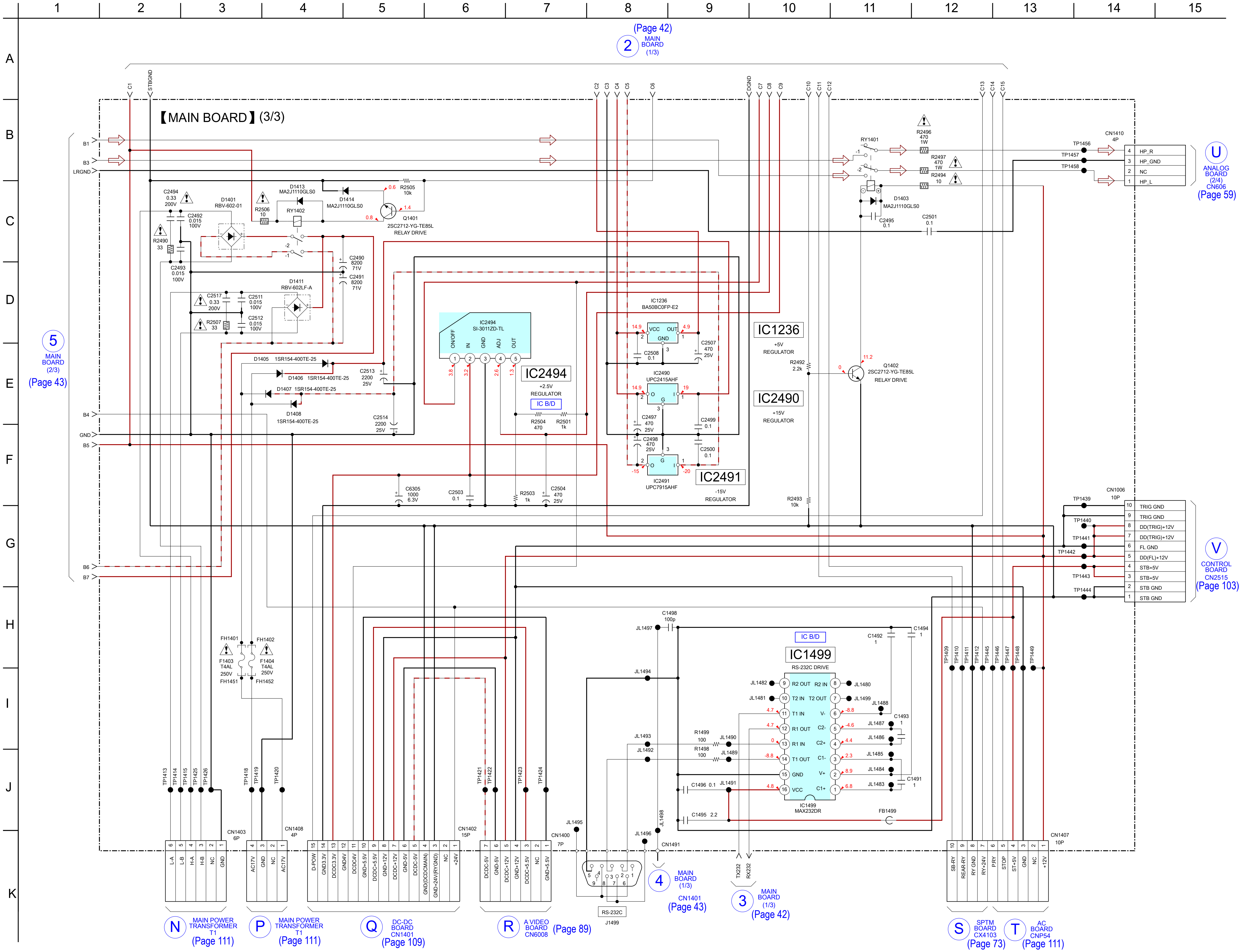


6-16. SCHEMATIC DIAGRAM - MAIN Board (2/3) -



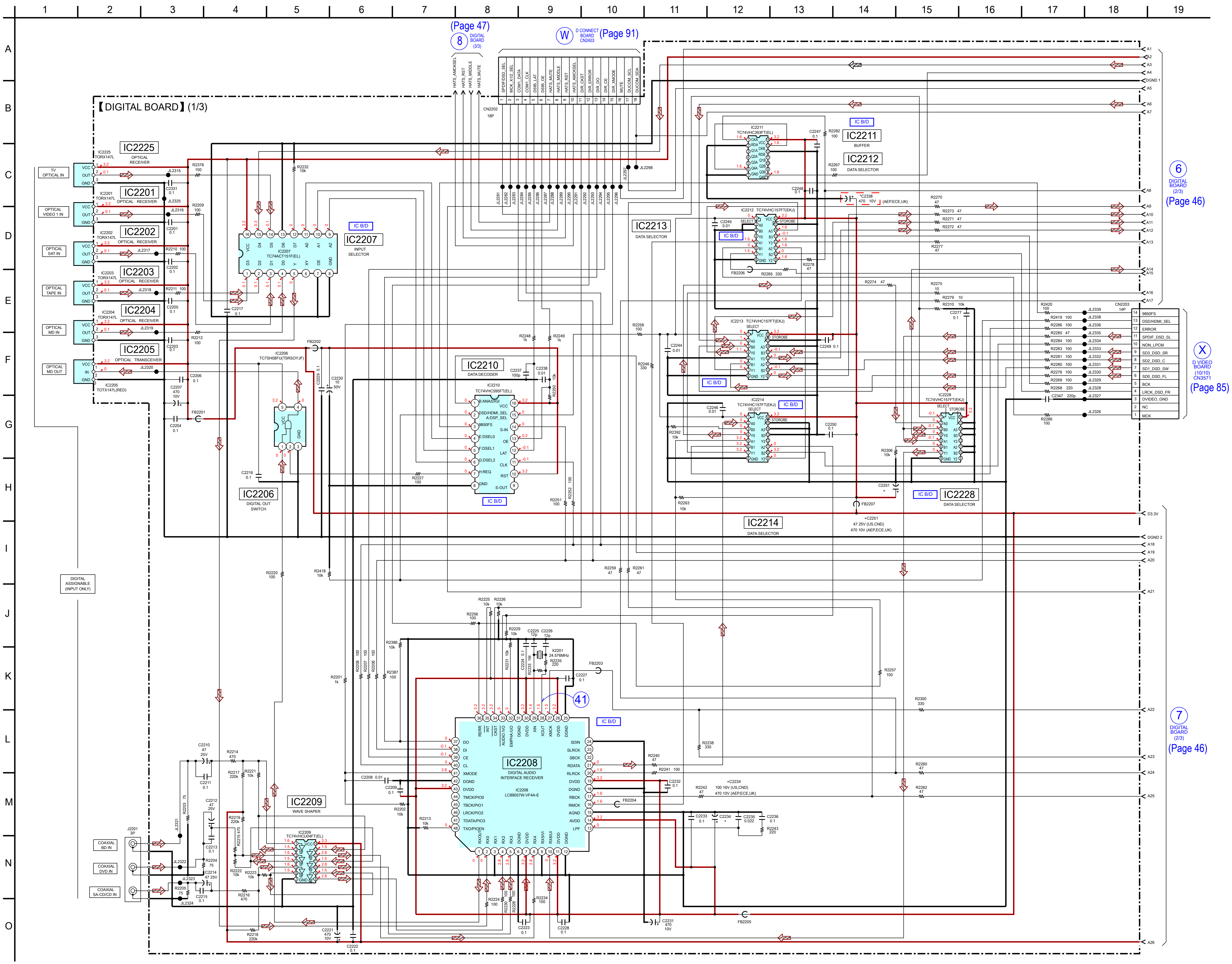
6-17. SCHEMATIC DIAGRAM - MAIN Board (3/3) -

• See page 112 for IC Block Diagrams.



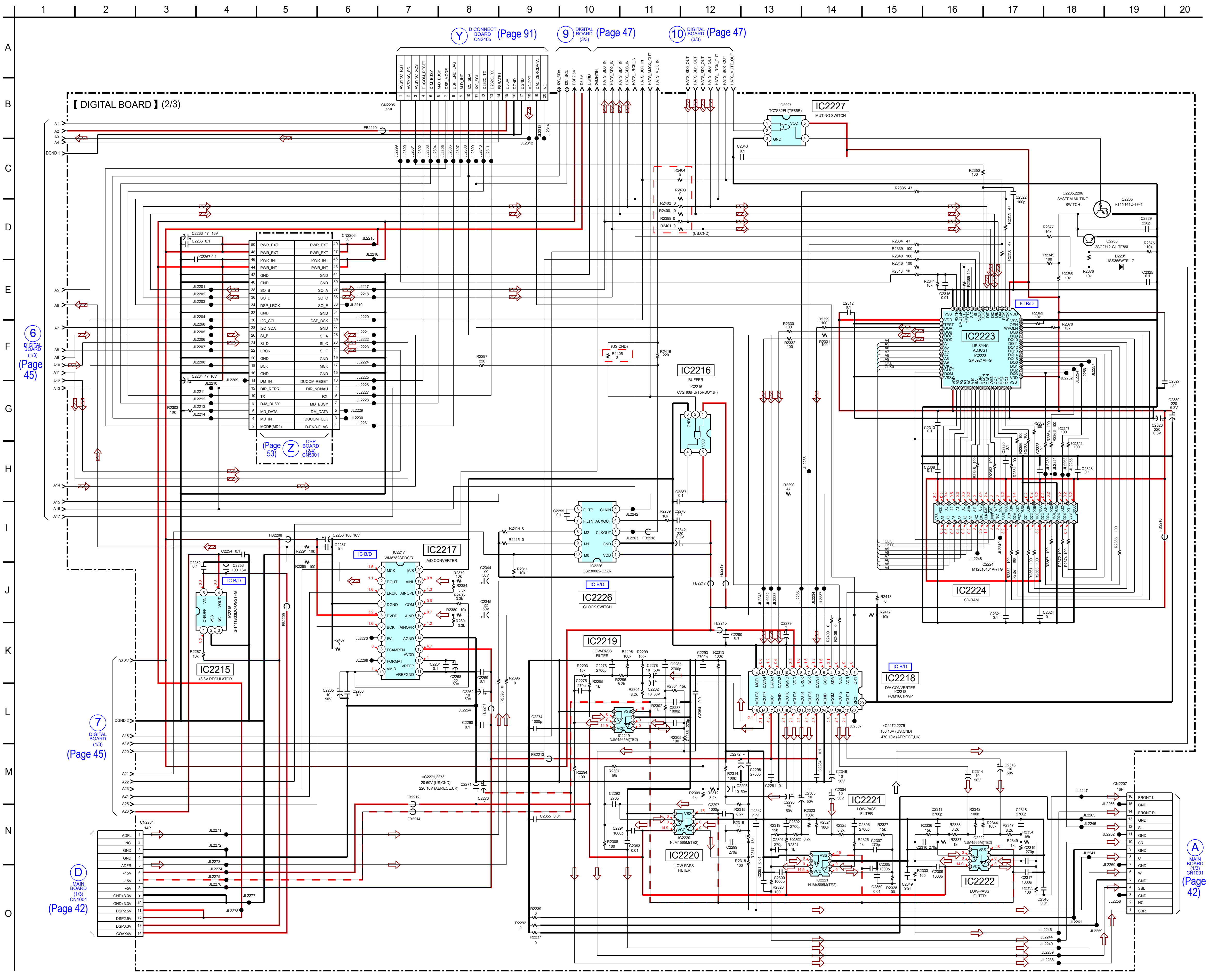
6-18. SCHEMATIC DIAGRAM - DIGITAL Board (1/3) -

• See page 107 for waveforms. • See page 112 for IC Block Diagrams.



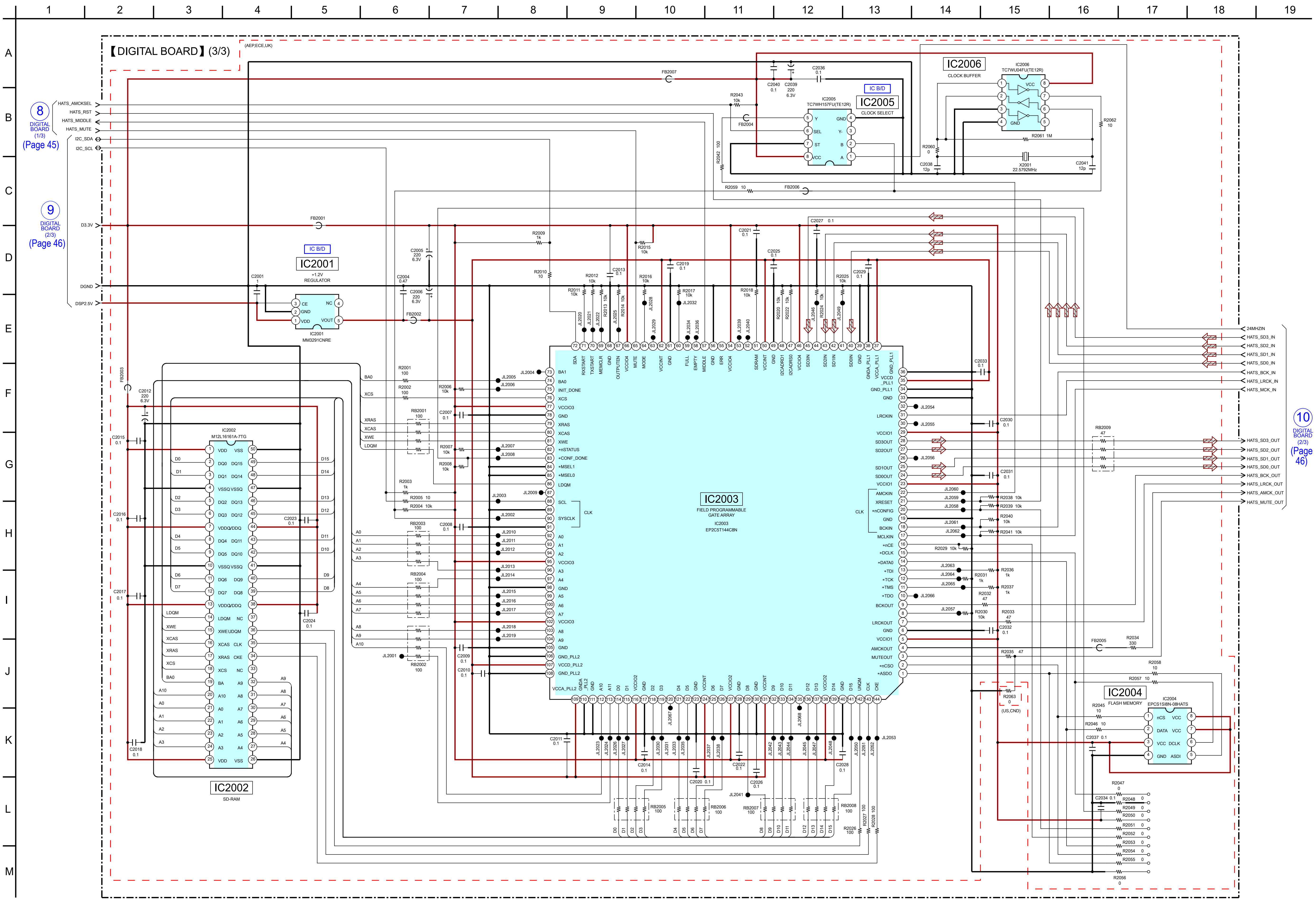
6-19. SCHEMATIC DIAGRAM - DIGITAL Board (2/3) -

• See page 112 for IC Block Diagrams.



6-20. SCHEMATIC DIAGRAM - DIGITAL Board (3/3) -

• See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.

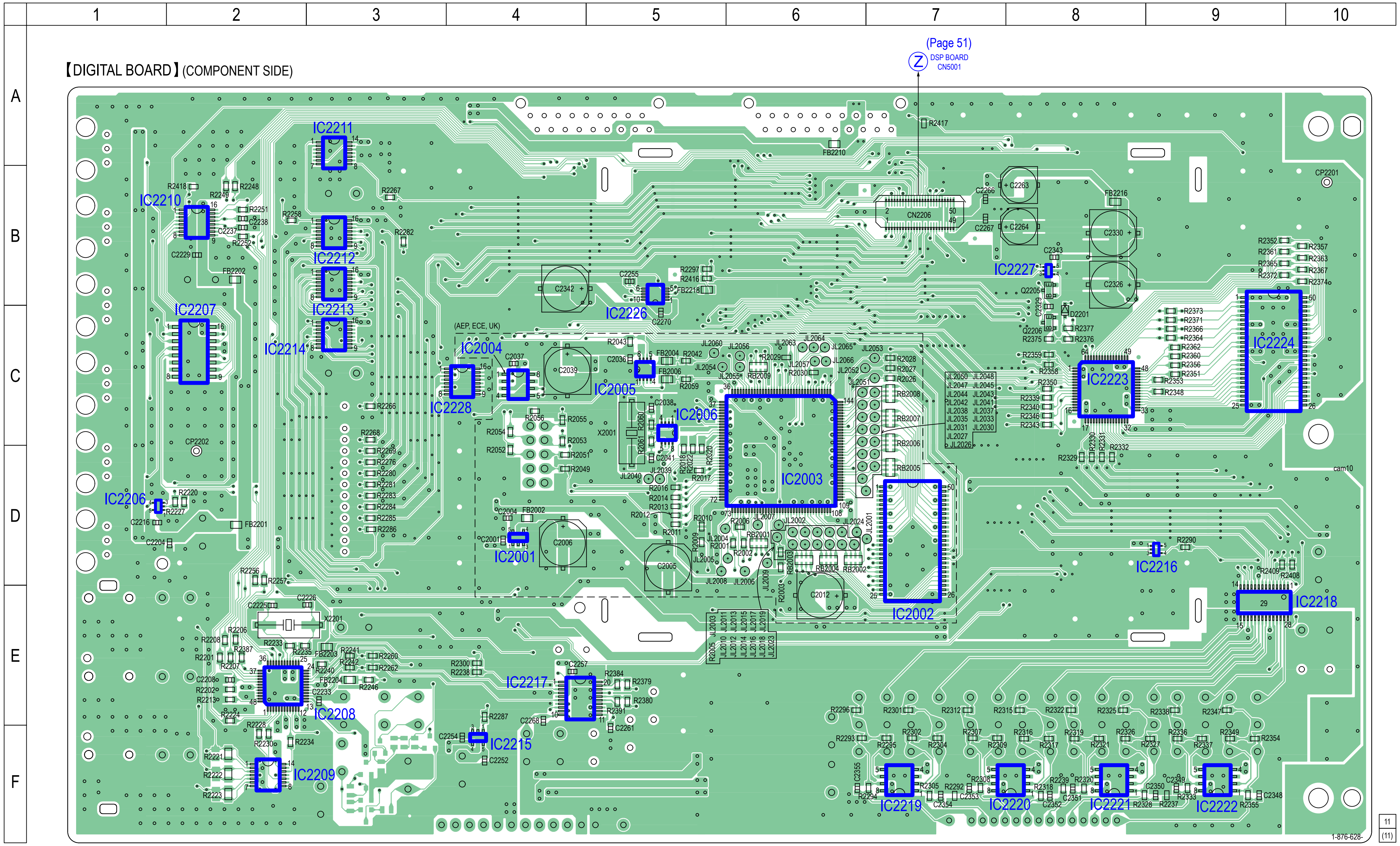


6-21. PRINTED WIRING BOARD - DIGITAL Board (Component Side) -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

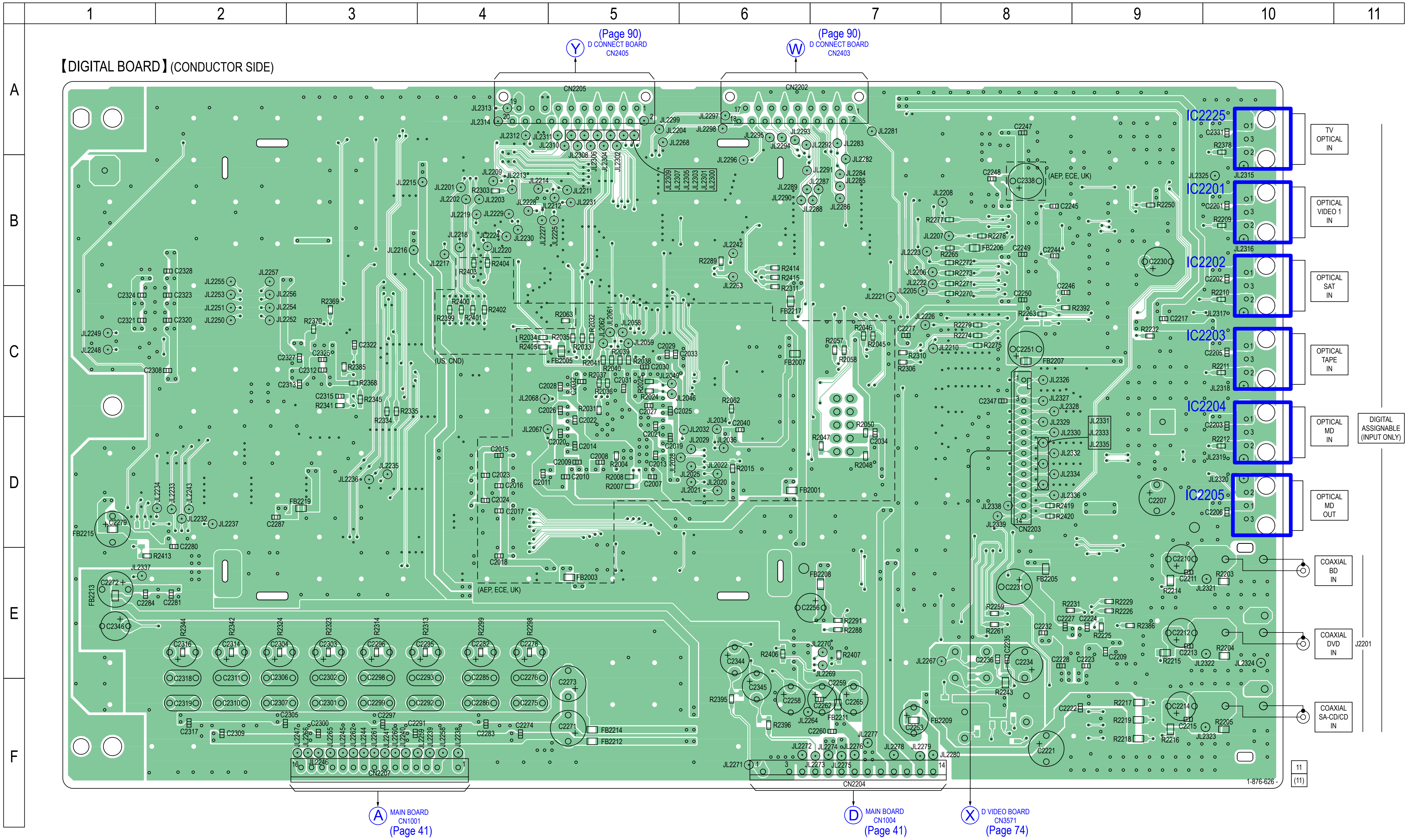
• **Semiconductor Location**

Ref. No.	Location
D2201	C-8
IC2001	D-4
IC2002	D-7
IC2003	D-6
IC2004	C-4
IC2005	C-5
IC2006	C-5
IC2206	D-1
IC2207	C-2
IC2208	E-2
IC2209	F-2
IC2210	B-2
IC2211	A-3
IC2212	B-3
IC2213	B-3
IC2214	C-3
IC2215	F-4
IC2216	D-9
IC2217	E-4
IC2218	E-9
IC2219	F-7
IC2220	F-8
IC2221	F-8
IC2222	F-9
IC2223	C-8
IC2224	C-9
IC2226	B-5
IC2227	B-8
IC2228	C-4
Q2205	B-8
Q2206	C-8



6-22. PRINTED WIRING BOARD - DIGITAL Board (Conductor Side) -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



• Semiconductor Location

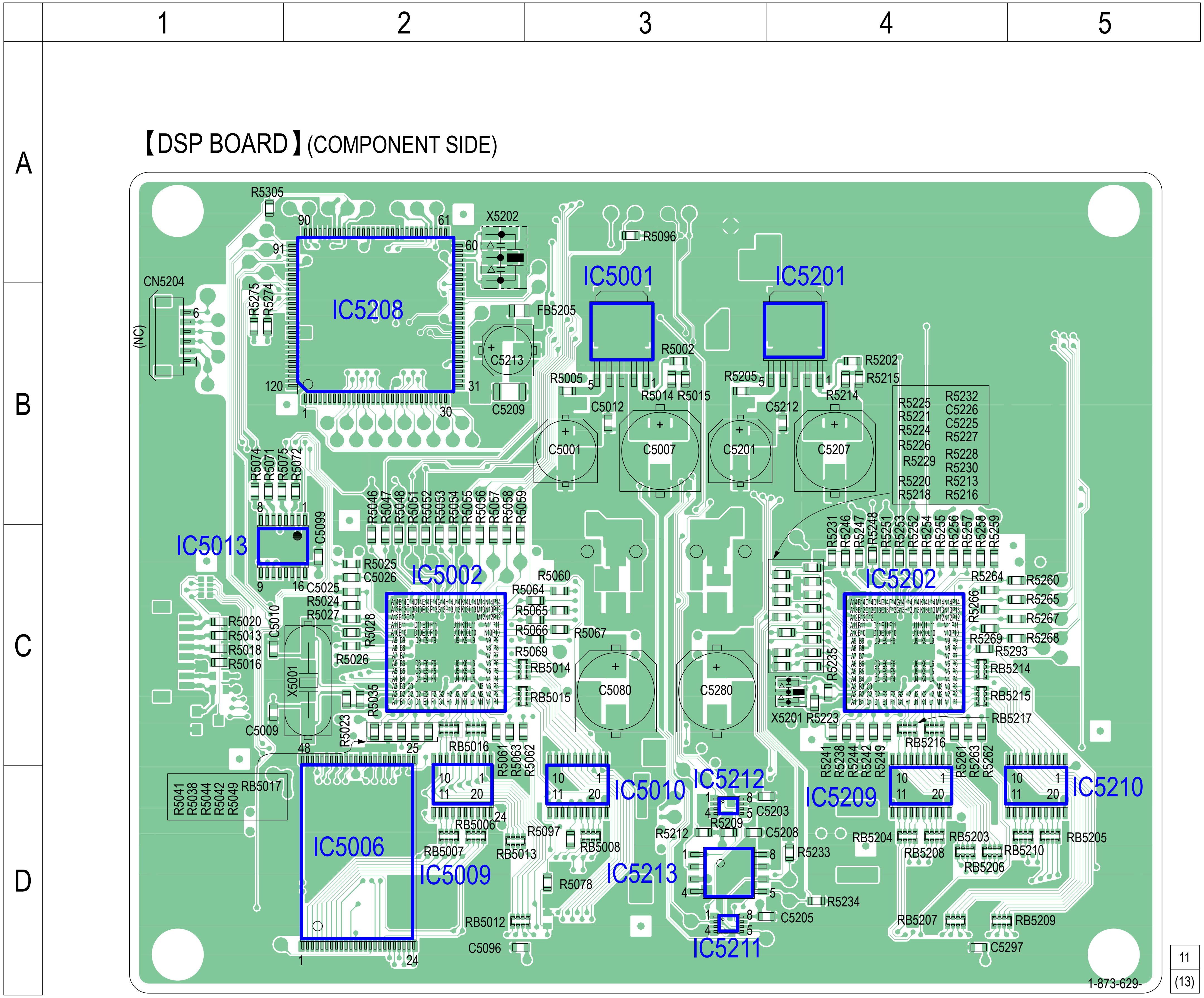
Ref. No.	Location
IC2201	B-10
IC2202	B-10
IC2203	C-10
IC2204	D-10
IC2205	D-10
IC2225	A-10

6-23. PRINTED WIRING BOARD - DSP Board (Component Side) -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

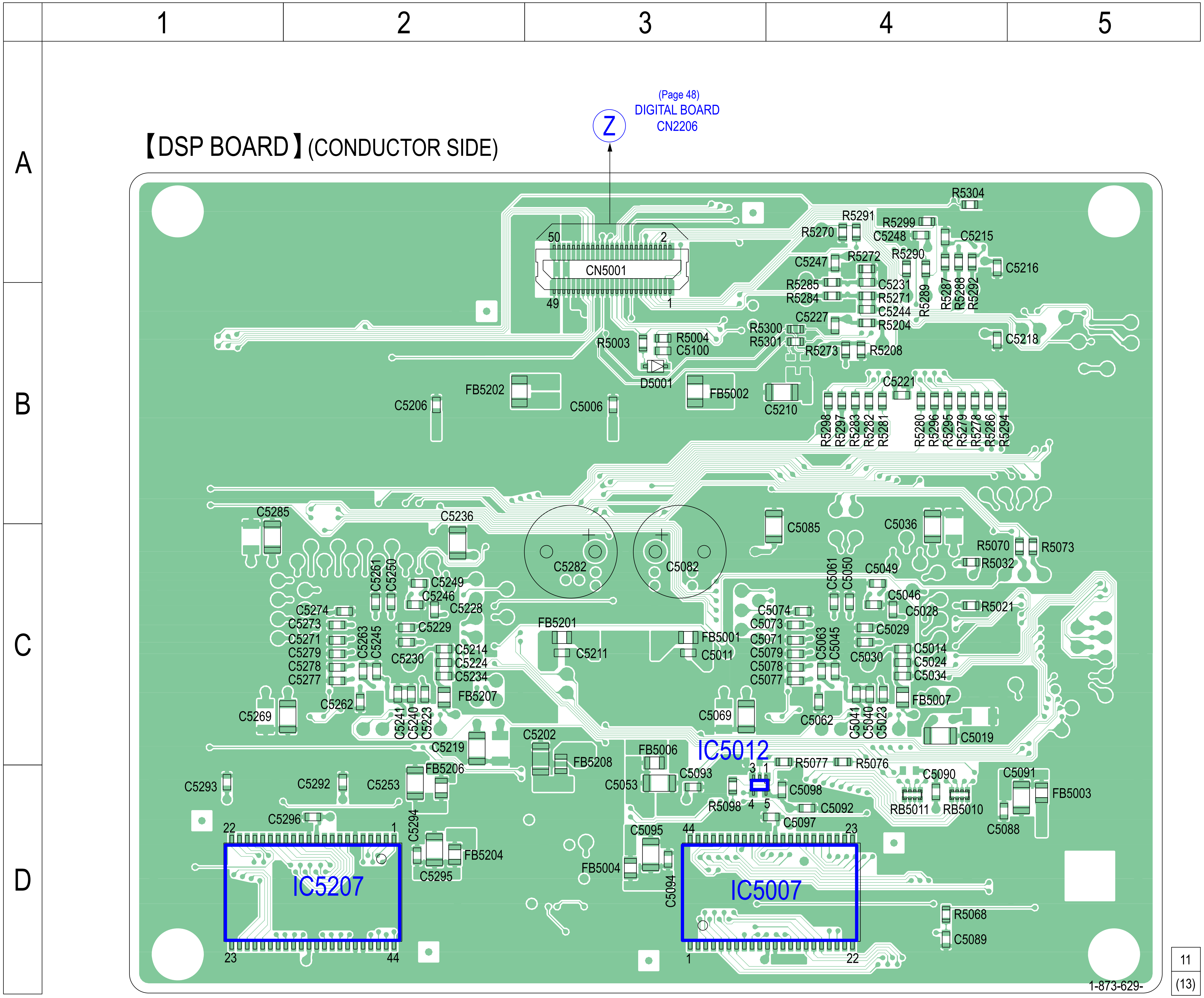
• Semiconductor Location

Ref. No.	Location
IC5001	B-3
IC5002	C-2
IC5006	D-2
IC5009	D-2
IC5010	D-3
IC5013	C-1
IC5201	B-4
IC5202	C-4
IC5208	B-2
IC5209	D-4
IC5210	D-5
IC5211	D-3
IC5212	D-3
IC5213	D-3



Note: IC5002 and IC5202 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

6-24. PRINTED WIRING BOARD - DSP Board (Conductor Side) - • See page 39 for Circuit Boards Location. • : Uses unleaded solder.

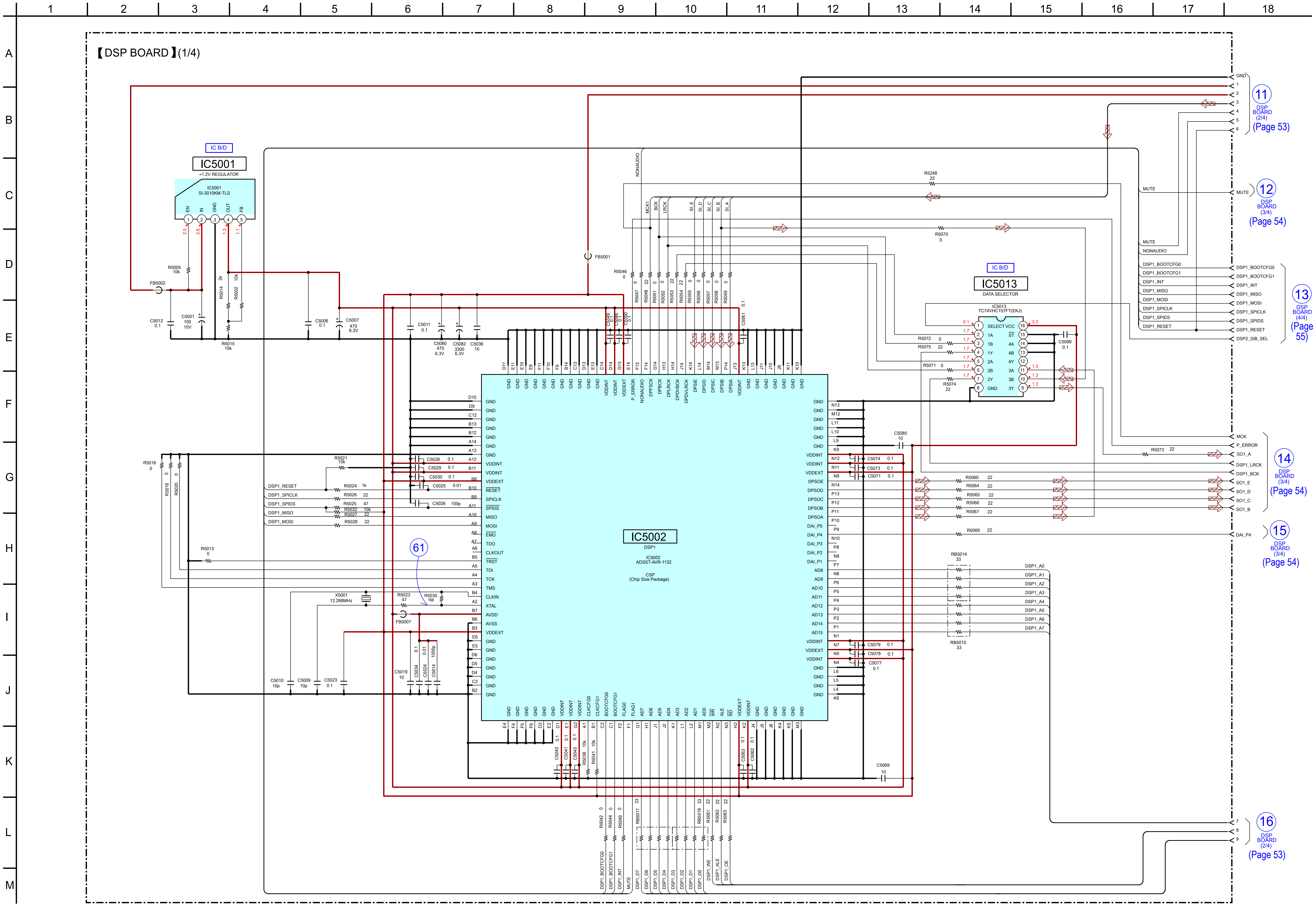


• Semiconductor Location

Ref. No.	Location
D5001	B-3
IC5007	D-4
IC5012	D-3
IC5207	D-2

6-25. SCHEMATIC DIAGRAM - DSP Board (1/4) -

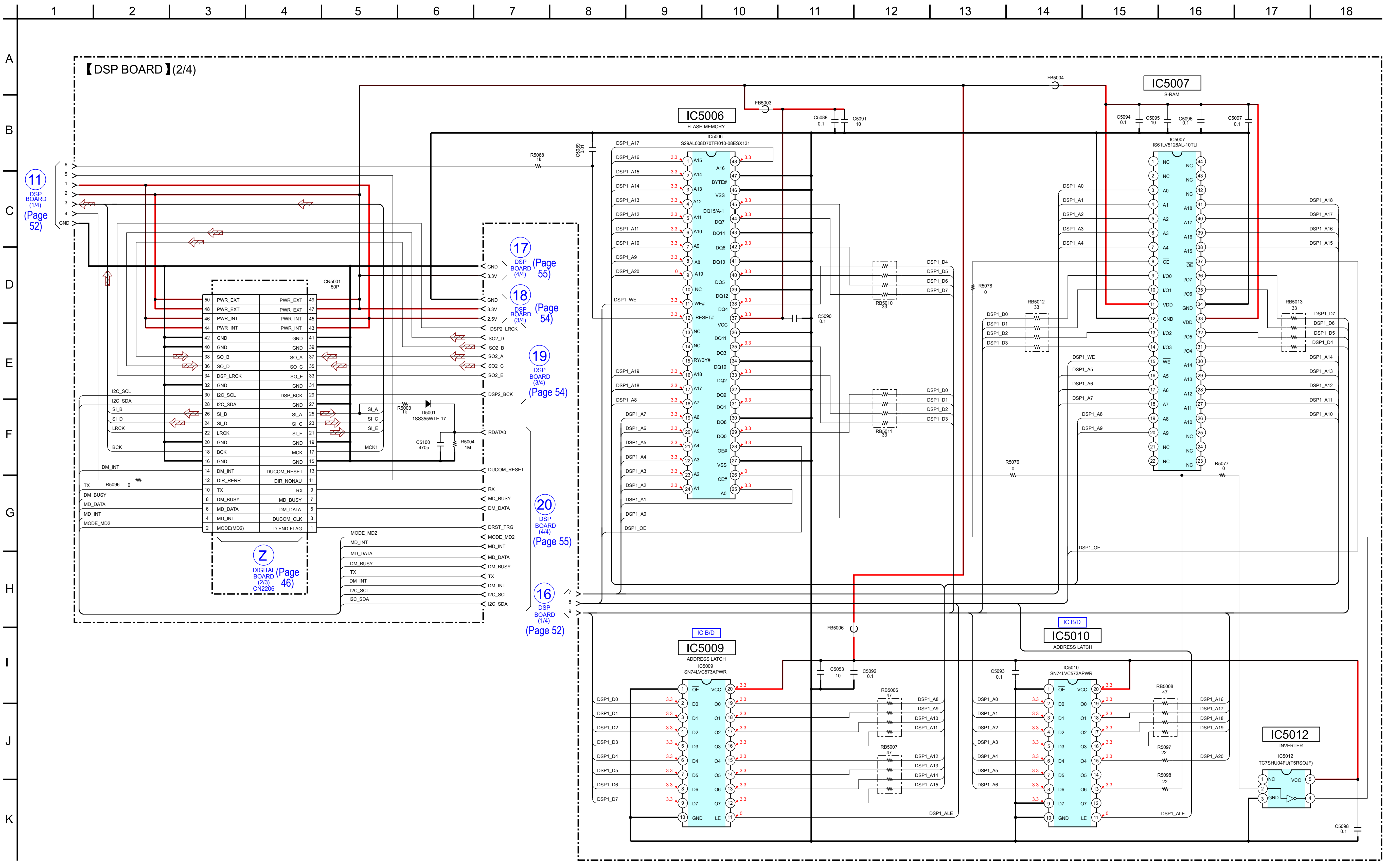
• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



Note: IC5002 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

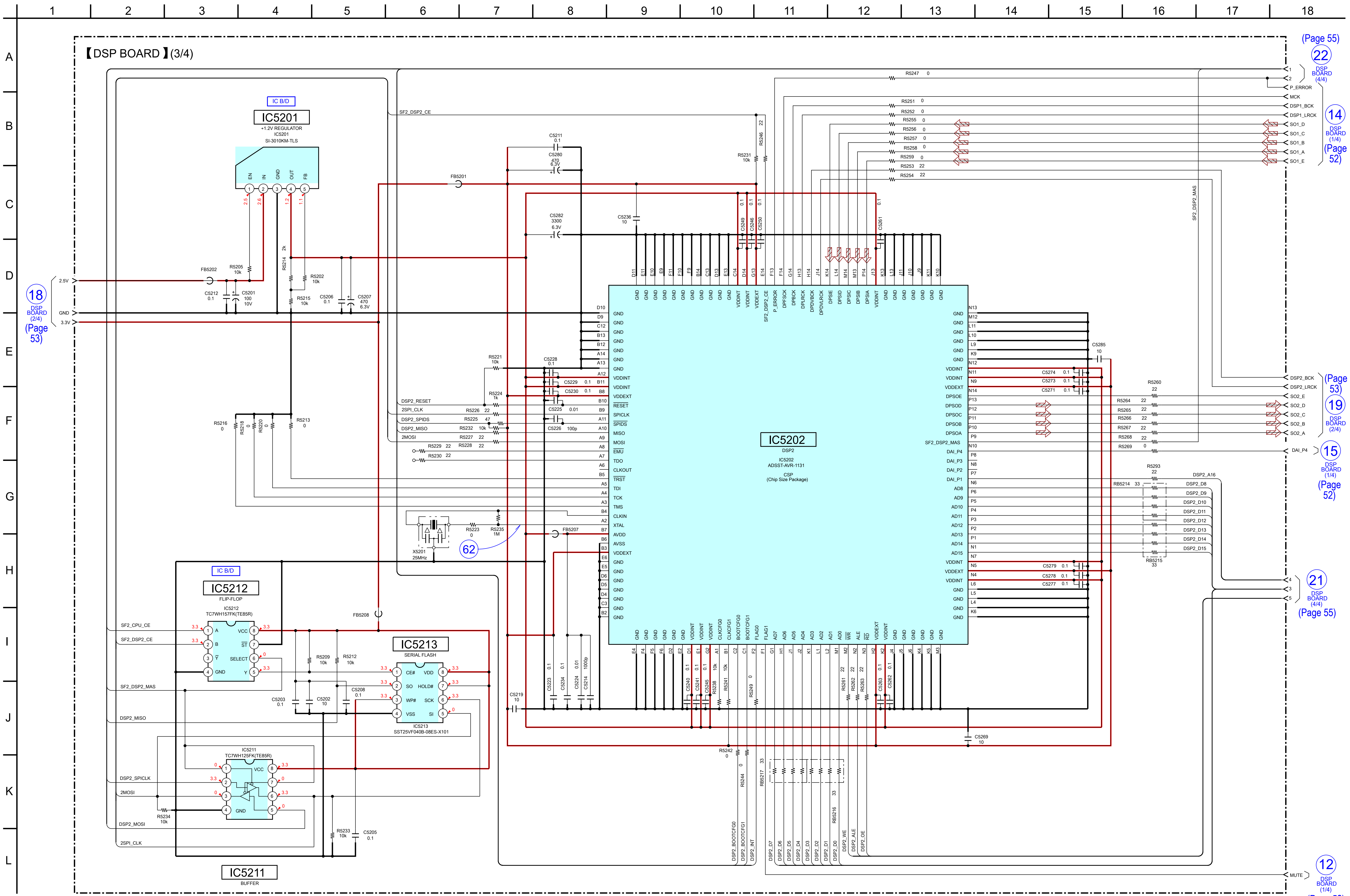
6-26. SCHEMATIC DIAGRAM - DSP Board (2/4) -

• See page 112 for IC Block Diagrams.



6-27. SCHEMATIC DIAGRAM - DSP Board (3/4) -

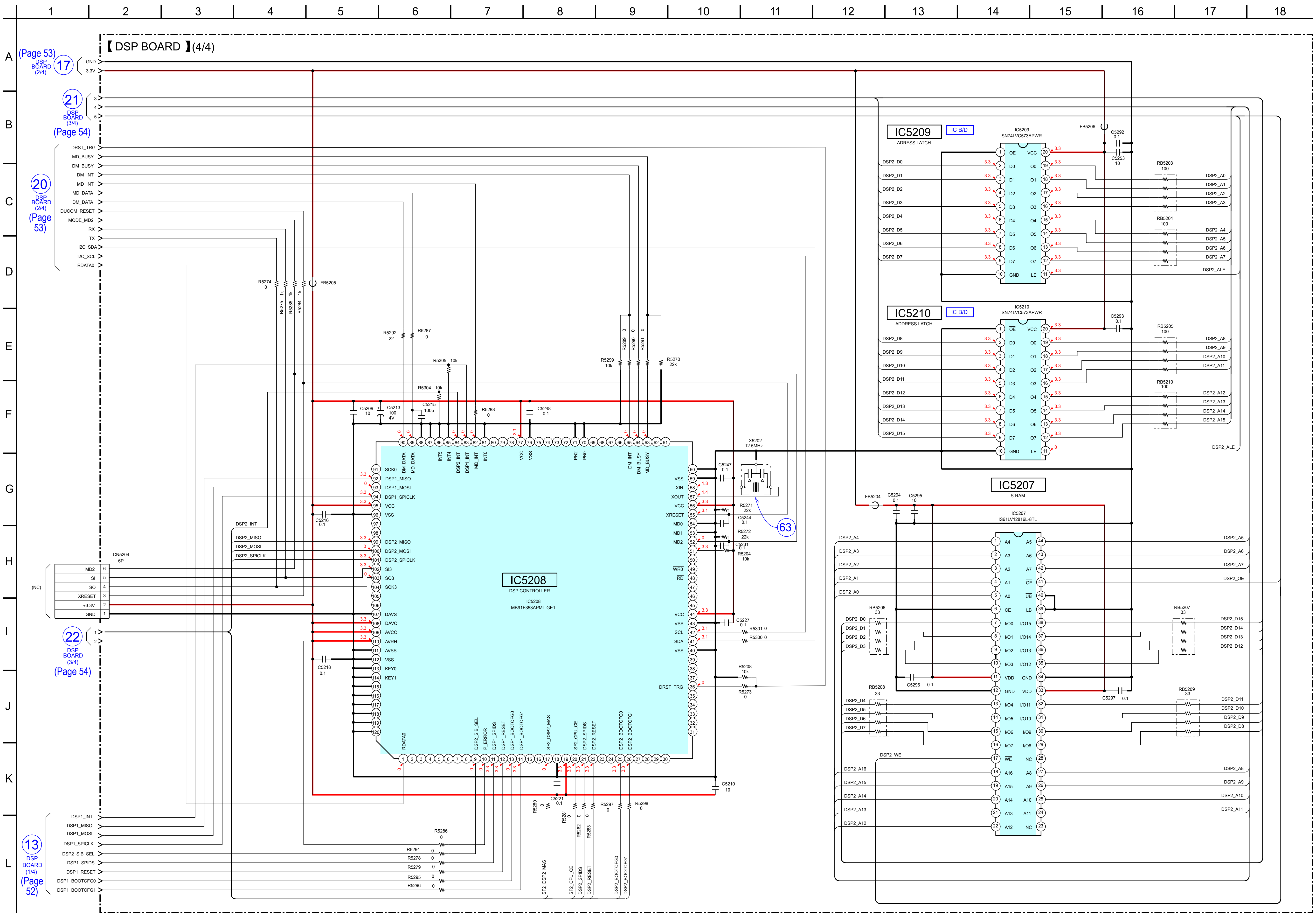
• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



Note: IC5202 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

6-28. SCHEMATIC DIAGRAM - DSP Board (4/4) -

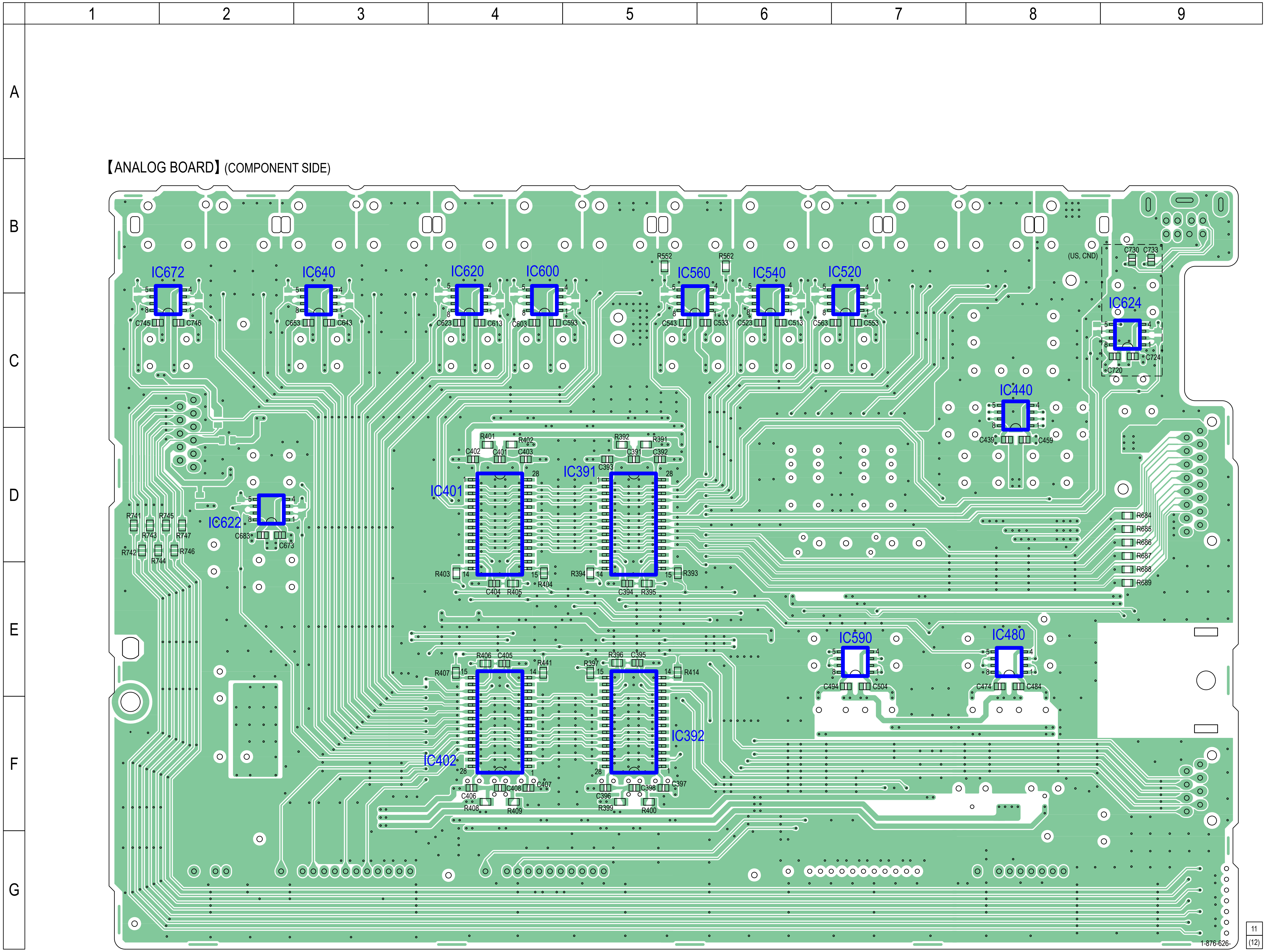
• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



6-29. PRINTED WIRING BOARD - ANALOG Board (Component Side) - • See page 39 for Circuit Boards Location. • : Uses unleaded solder.

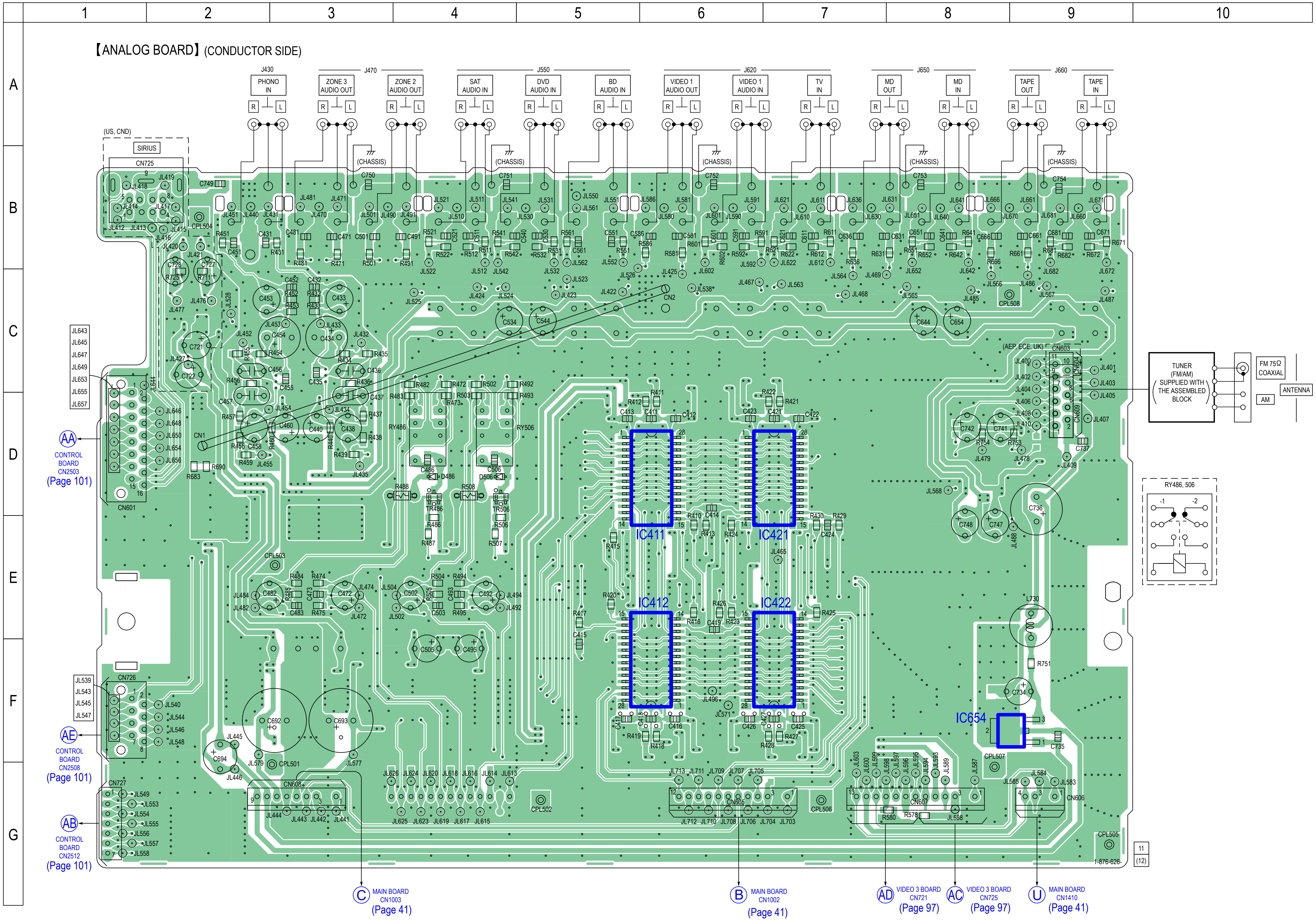
• Semiconductor Location

Ref. No.	Location
IC391	D-5
IC392	F-5
IC401	D-4
IC402	F-4
IC440	C-8
IC480	E-8
IC520	C-7
IC540	C-6
IC560	C-5
IC590	E-7
IC600	C-4
IC620	C-4
IC622	D-2
IC624	C-9
IC640	C-3
IC672	C-2



6-30. PRINTED WIRING BOARD - ANALOG Board (Conductor Side) -

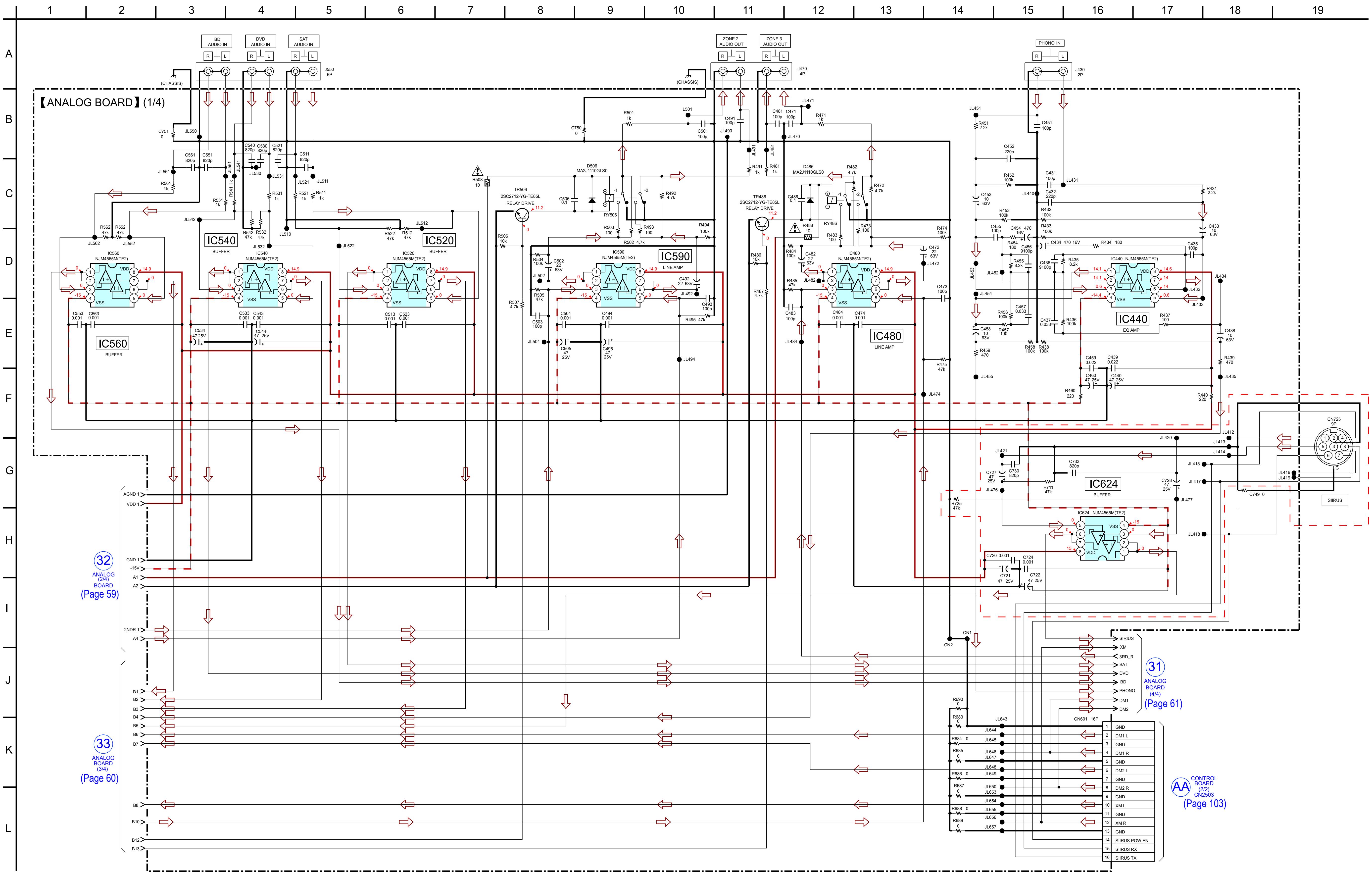
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



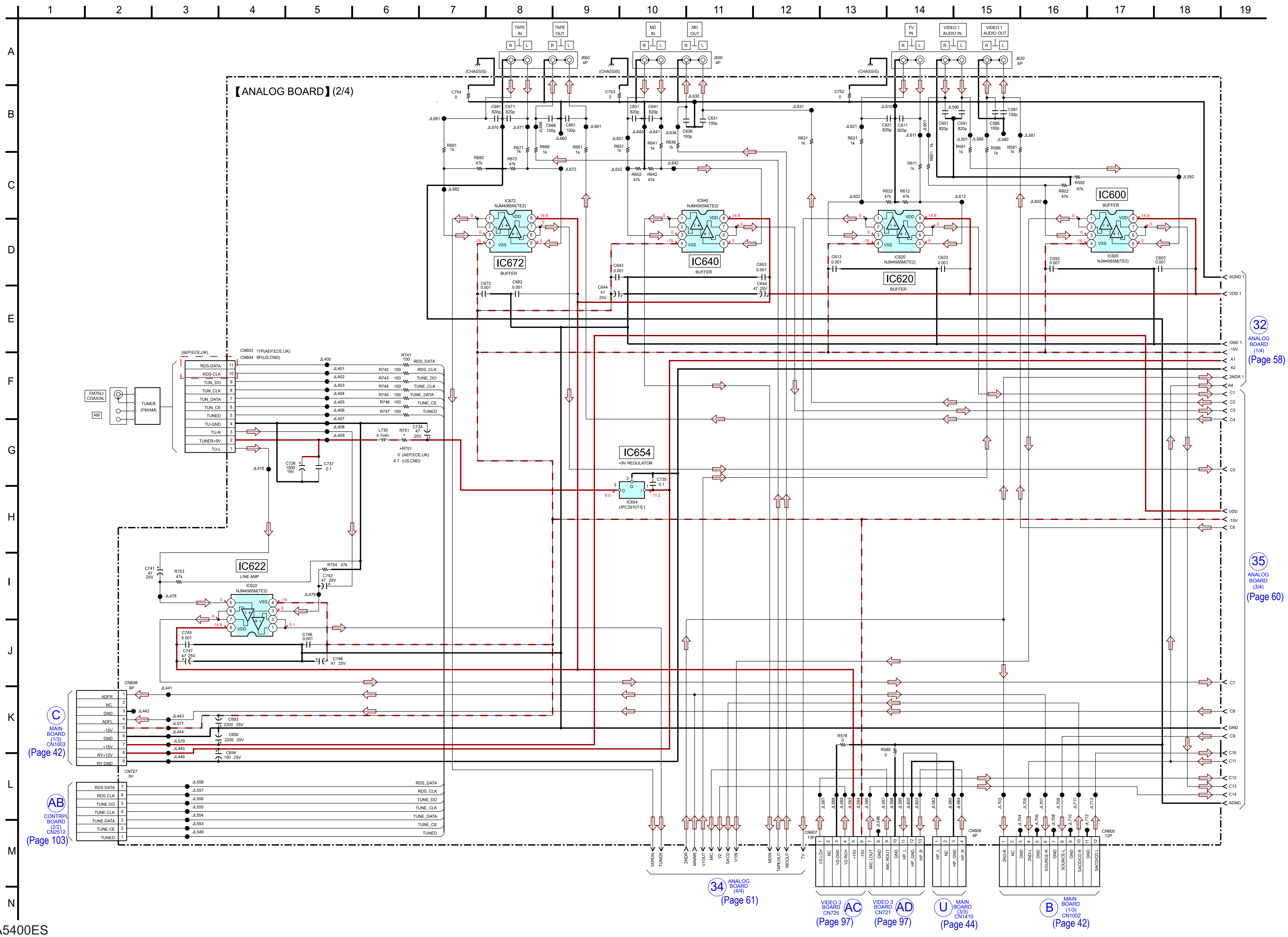
• Semiconductor Location

Ref. No.	Location
D486	D-4
D506	D-4
IC411	D-6
IC412	F-6
IC421	D-7
IC422	F-7
IC654	F-9
TR486	D-4
TR506	D-4

6-31. SCHEMATIC DIAGRAM - ANALOG Board (1/4) -

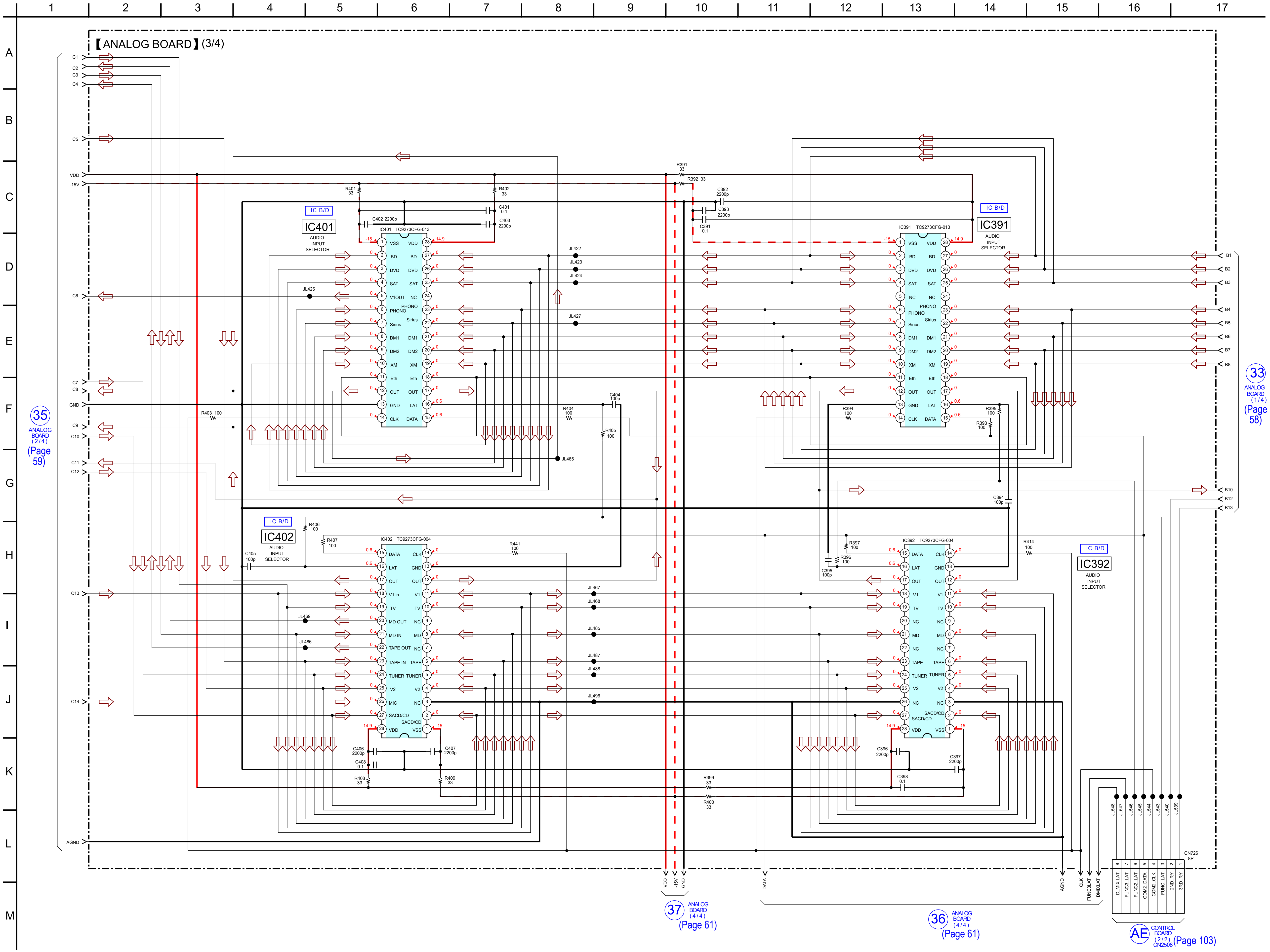


6-32. SCHEMATIC DIAGRAM - ANALOG Board (2/4) -



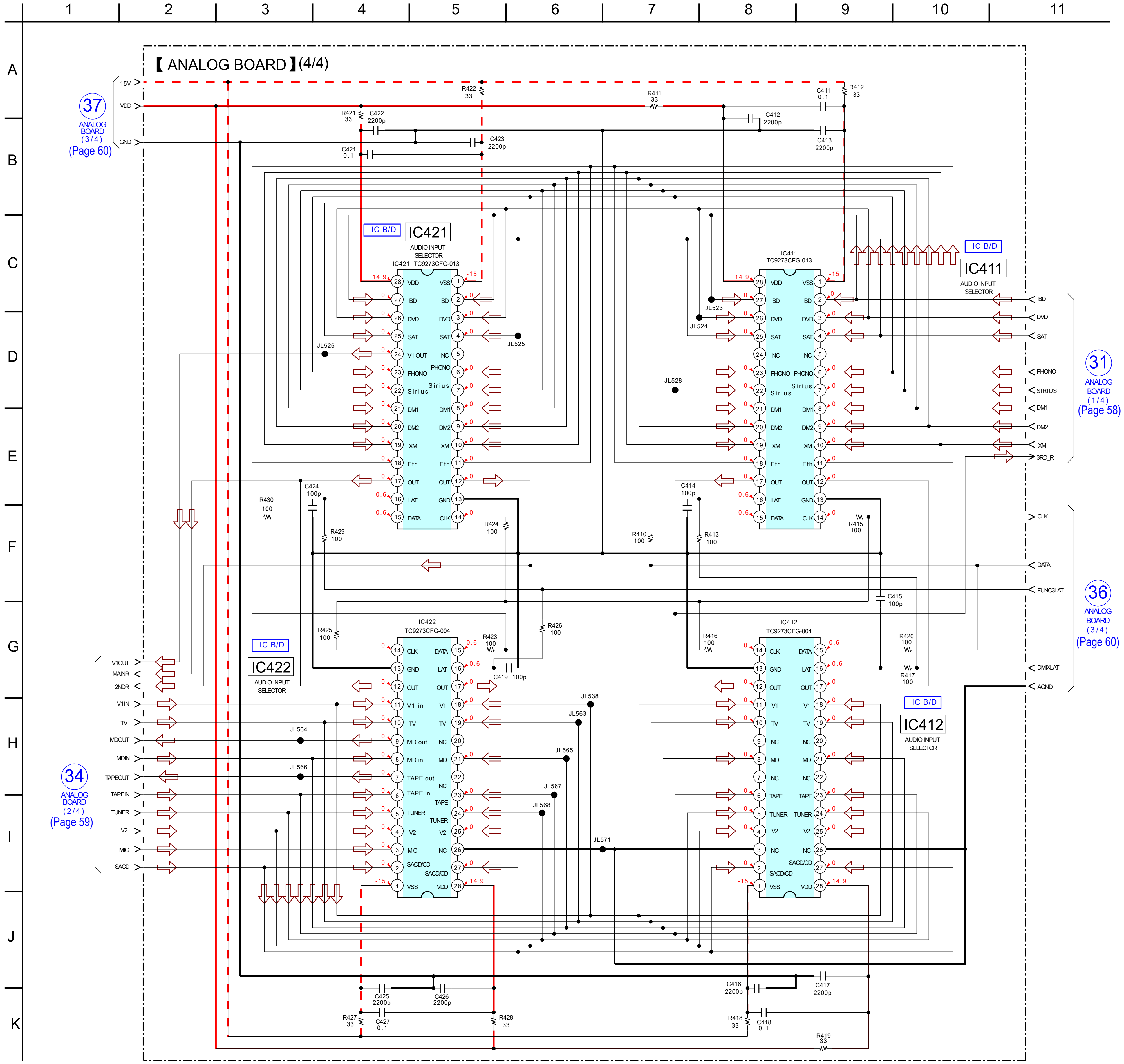
6-33. SCHEMATIC DIAGRAM - ANALOG Board (3/4) -

• See page 112 for IC Block Diagrams.



6-34. SCHEMATIC DIAGRAM - ANALOG Board (4/4) -

• See page 112 for IC Block Diagrams.

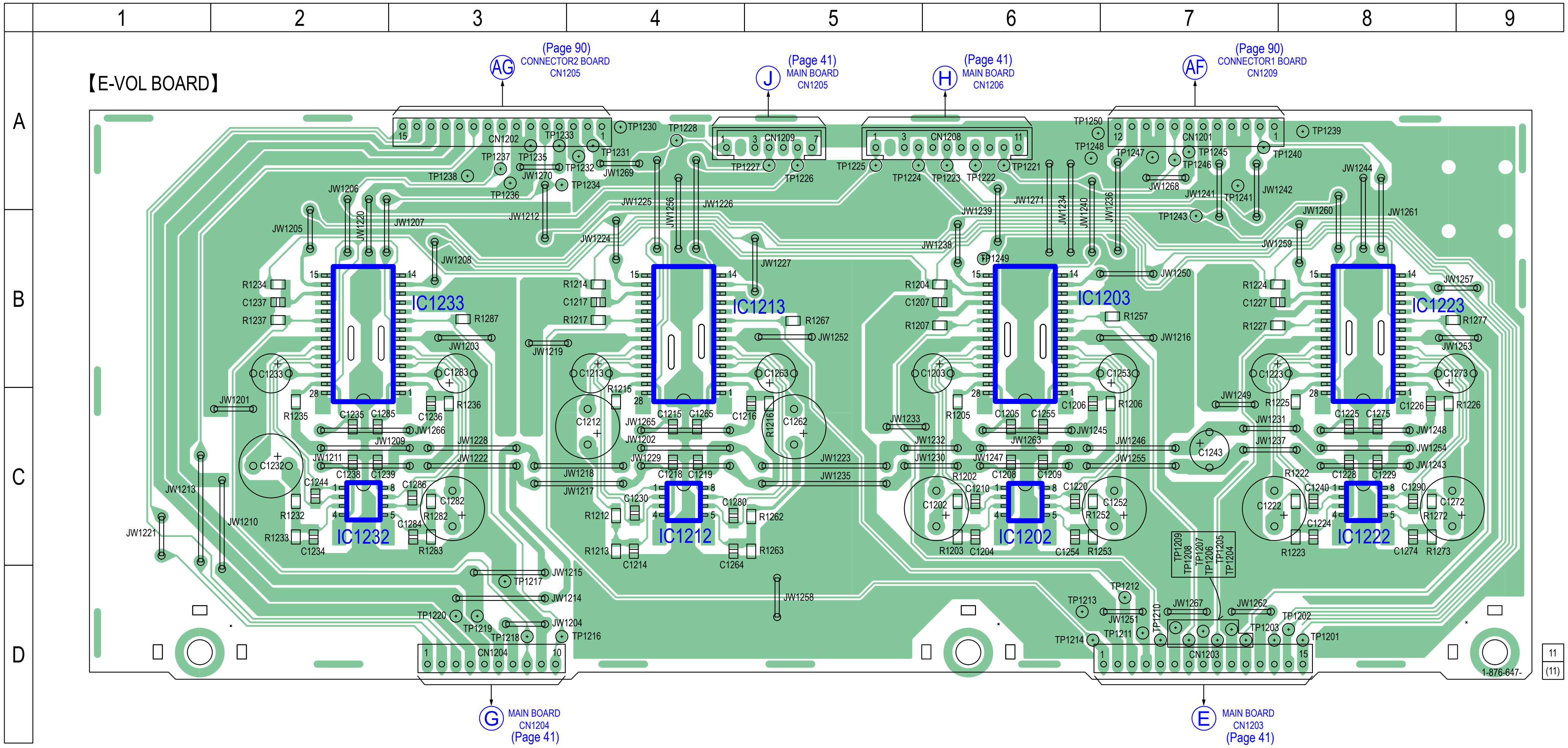


6-35. PRINTED WIRING BOARD - E-VOL Board -

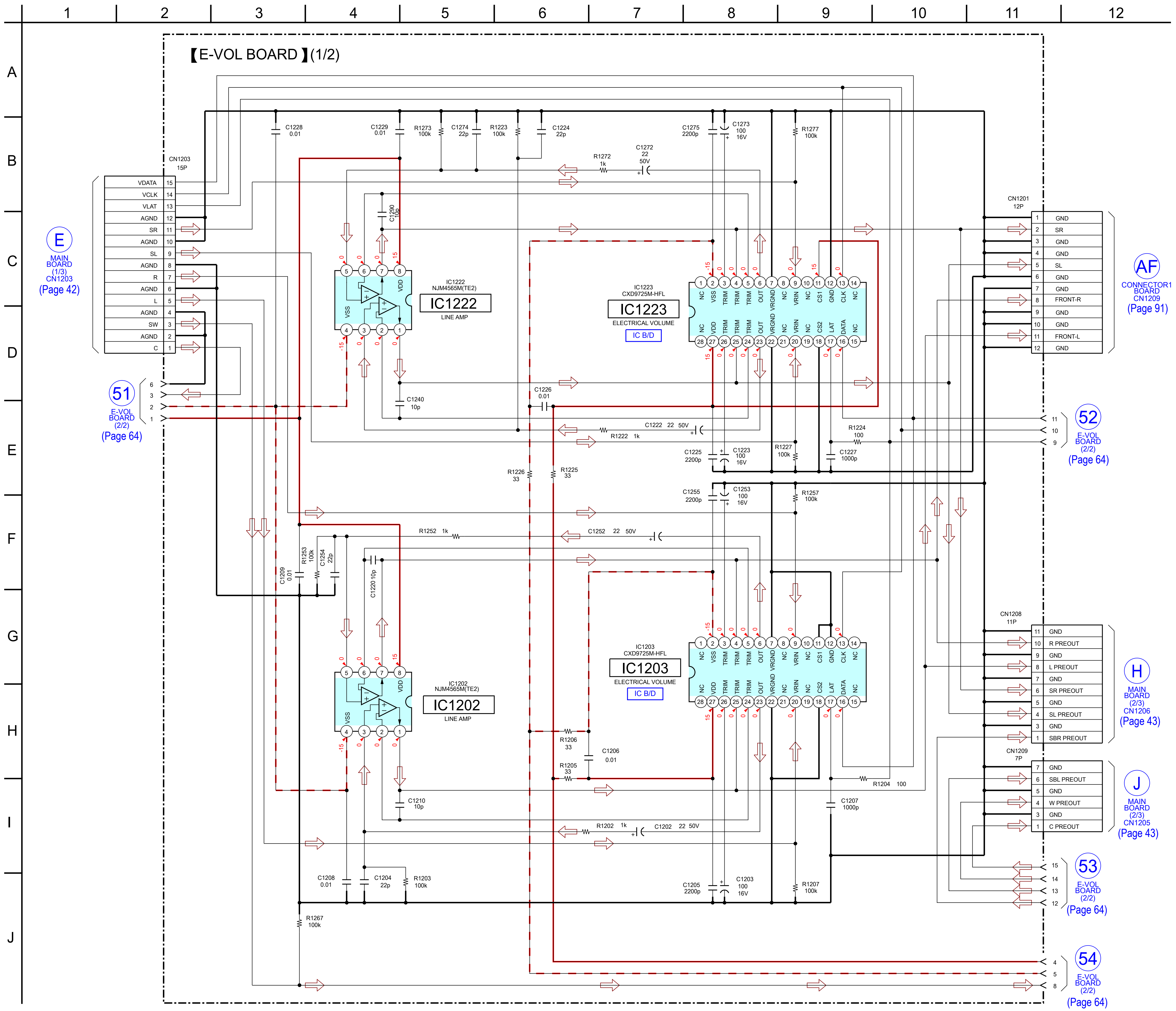
• See page 39 for Circuit Boards Location. • Ｌғ : Uses unleaded solder.

• **Semiconductor Location**

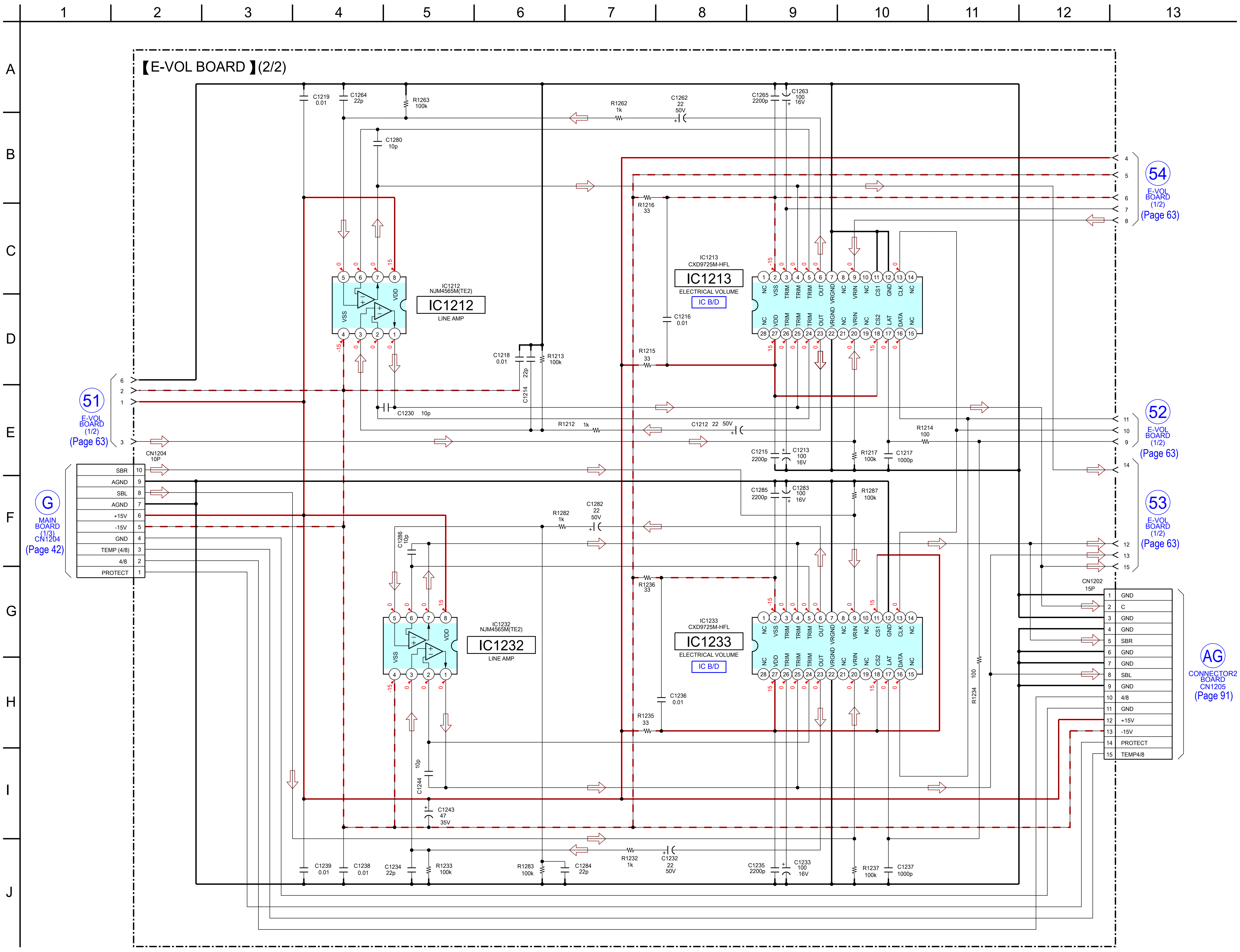
Ref. No.	Location
IC1202	C-6
IC1203	B-6
IC1212	C-4
IC1213	B-4
IC1222	C-8
IC1223	B-8
IC1232	C-2
IC1233	B-2



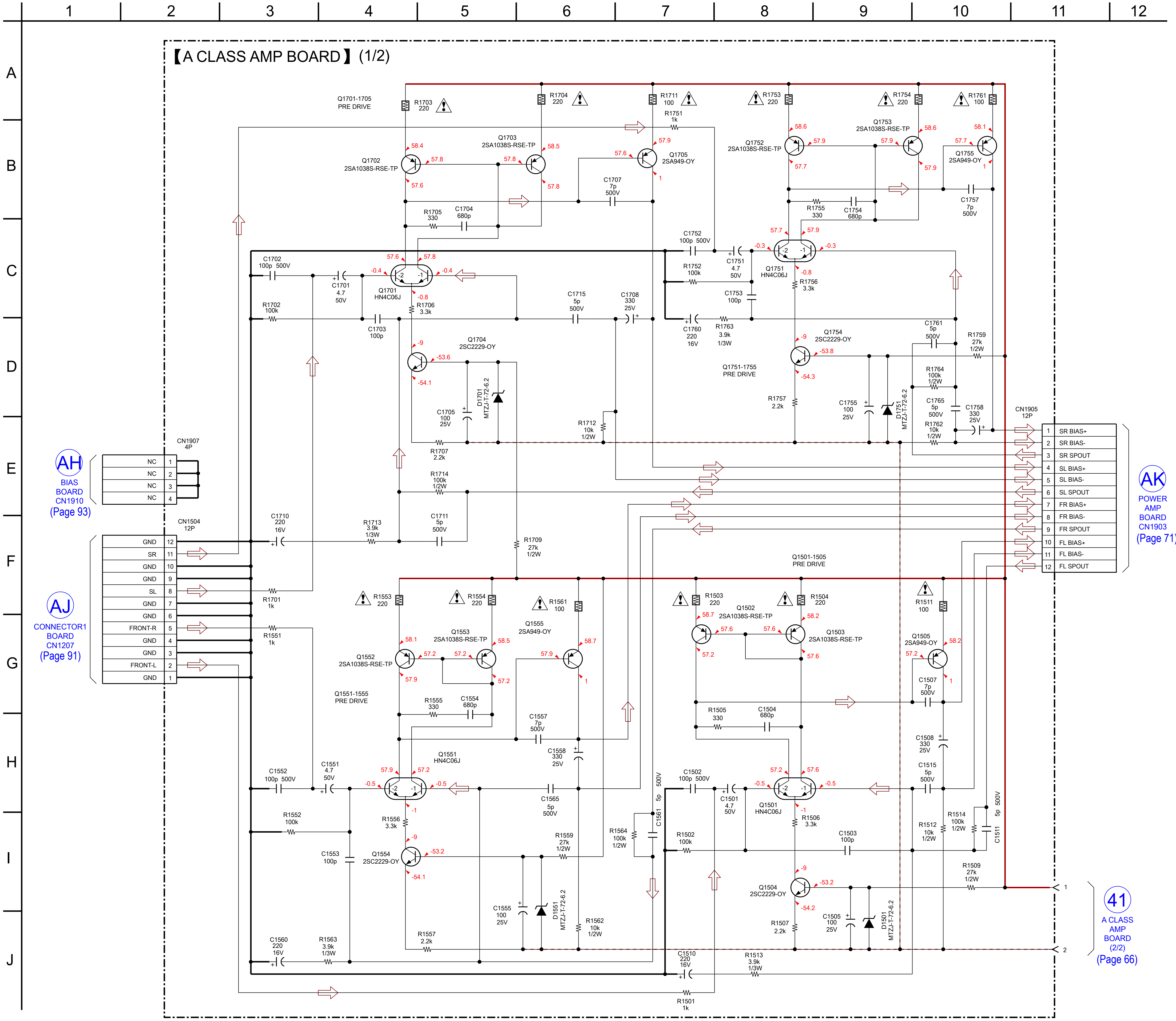
6-36. SCHEMATIC DIAGRAM - E-VOL Board (1/2) - • See page 112 for IC Block Diagrams.



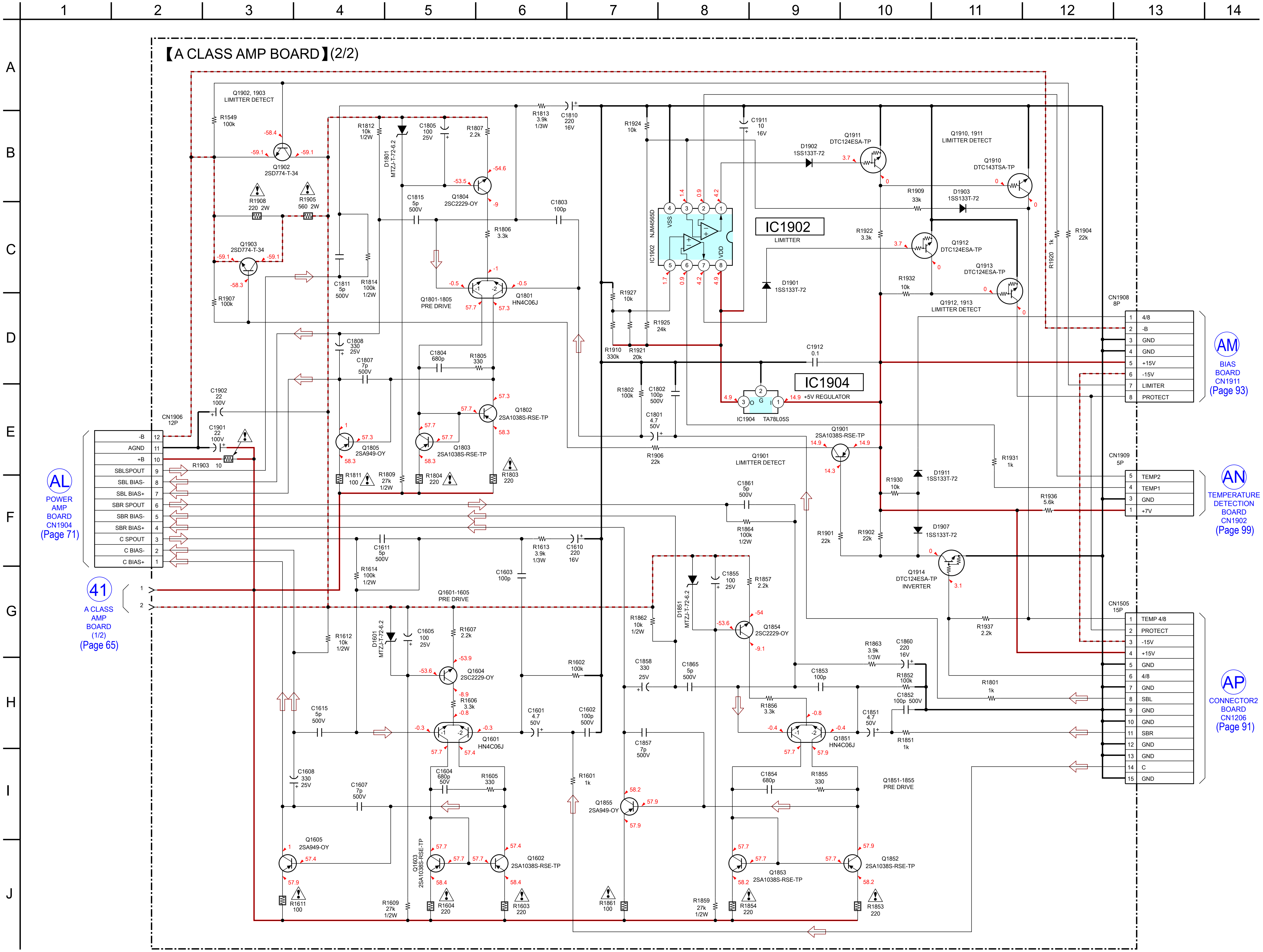
6-37. SCHEMATIC DIAGRAM - E-VOL Board (2/2) - • See page 112 for IC Block Diagrams.



6-38. SCHEMATIC DIAGRAM - A CLASS AMP Board (1/2) -

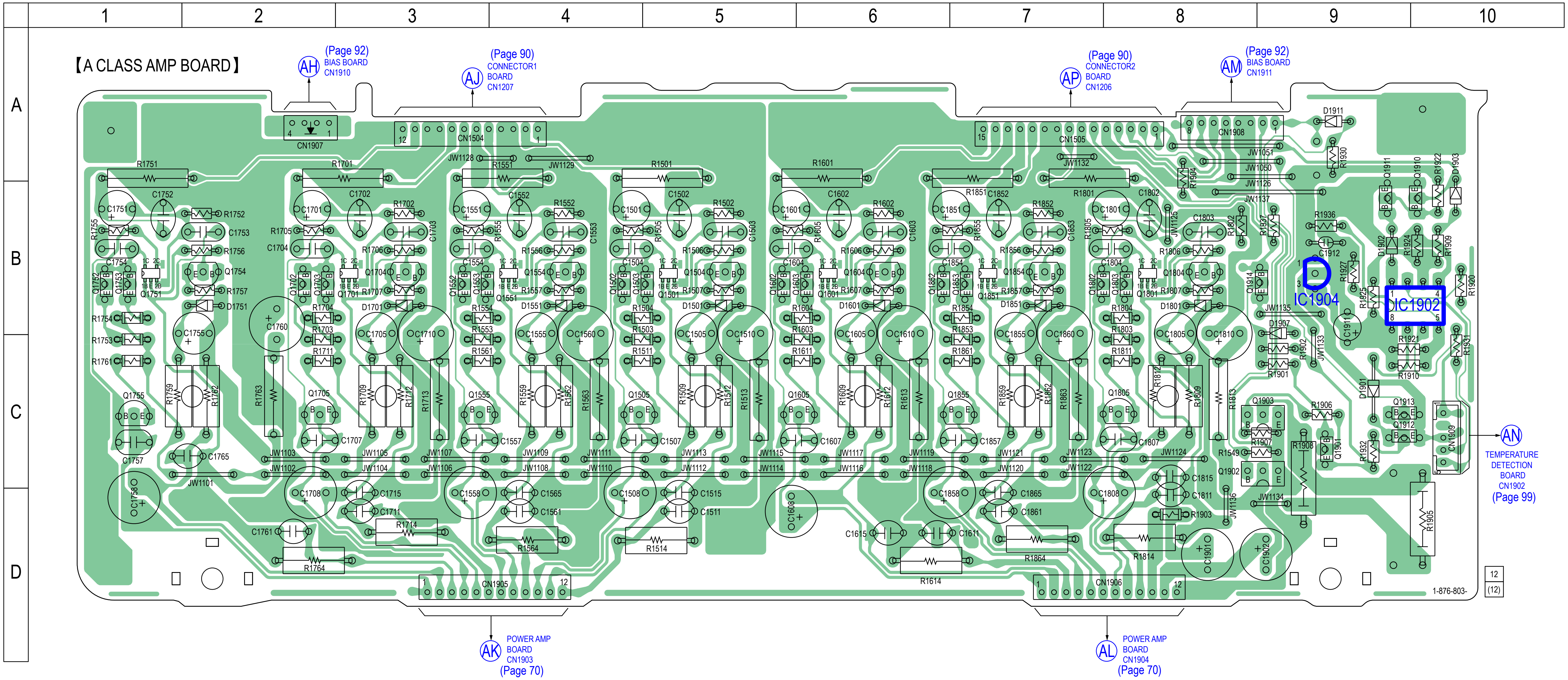


6-39. SCHEMATIC DIAGRAM - A CLASS AMP Board (2/2) -



6-40. PRINTED WIRING BOARD - A CLASS AMP Board -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



• **Semiconductor Location**

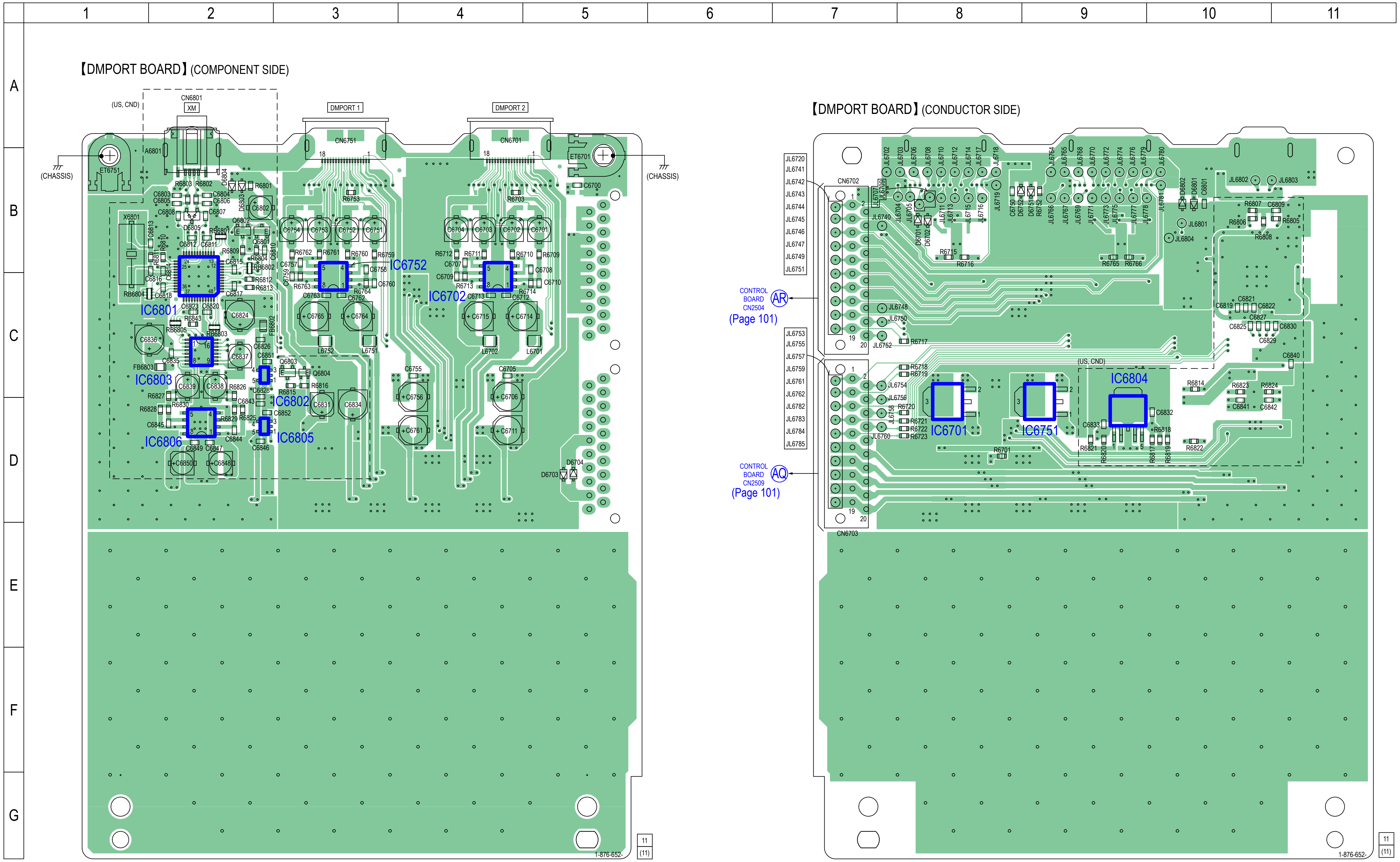
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1501	B-5			Q1554	B-4	Q1751	B-1	Q1853	B-7
D1551	B-4	IC1902	B-10	Q1555	C-3	Q1752	B-1	Q1854	B-7
D1601	B-6	IC1904	B-9	Q1601	B-6	Q1753	B-1	Q1855	C-7
D1701	B-3			Q1602	B-5	Q1754	B-2	Q1901	C-9
D1751	B-2	Q1501	B-5	Q1603	B-6	Q1755	C-1	Q1902	C-9
D1801	B-8	Q1502	B-4	Q1604	B-6	Q1801	B-8	Q1903	C-9
D1851	B-7	Q1503	B-5	Q1605	C-6	Q1802	B-7	Q1910	B-10
D1901	C-9	Q1504	B-5	Q1701	B-3	Q1803	B-8	Q1911	B-9
D1902	B-9	Q1505	C-4	Q1702	B-2	Q1804	B-8	Q1912	C-9
D1903	B-10	Q1551	B-4	Q1703	B-2	Q1805	C-8	Q1913	C-9
D1907	B-9	Q1552	B-3	Q1704	B-3	Q1851	B-7	Q1914	B-9
D1911	A-9	Q1553	B-3	Q1705	C-2	Q1852	B-6		

6-41. PRINTED WIRING BOARD - DMPORT Board -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

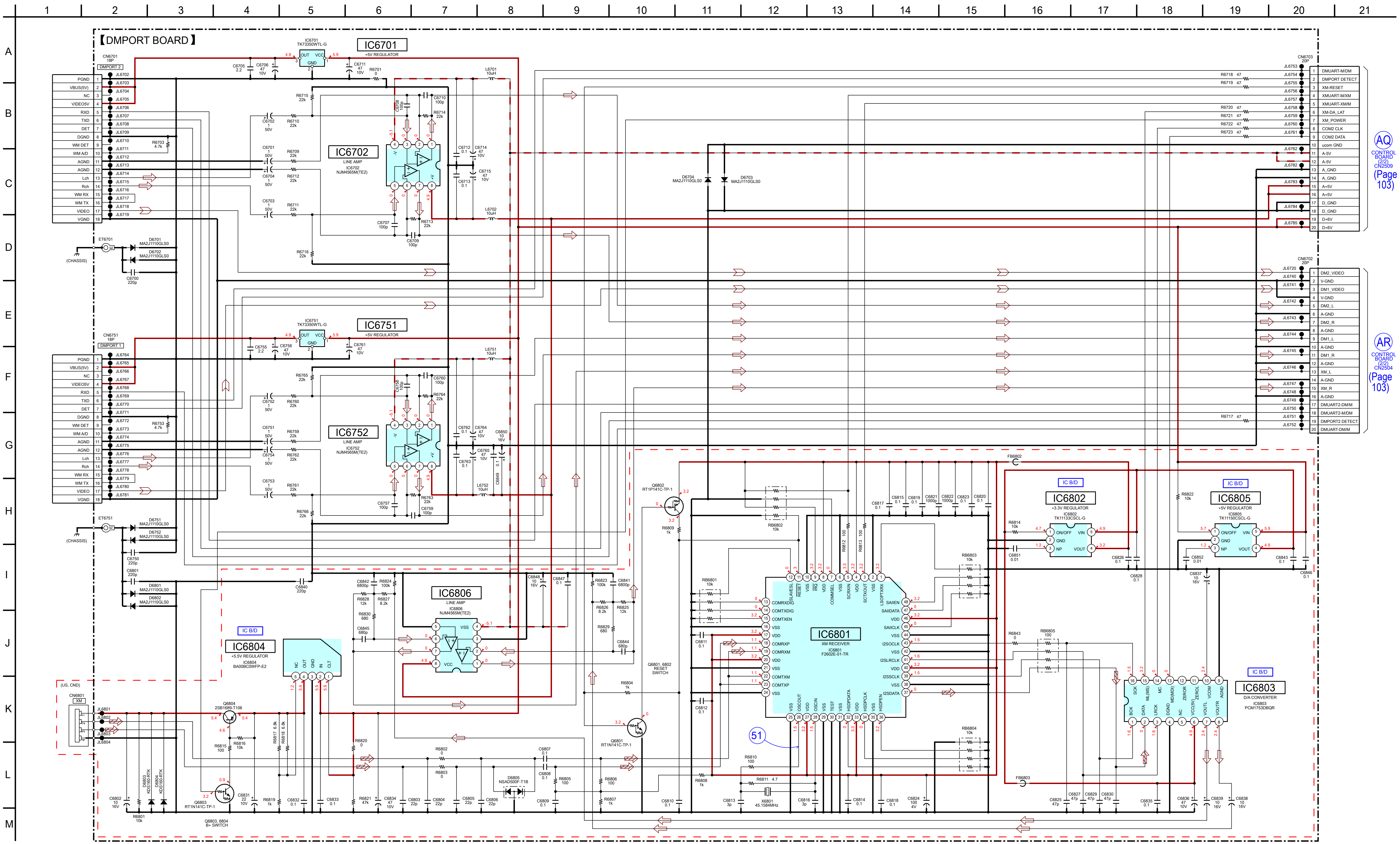
• **Semiconductor Location**

Ref. No.	Location
D6701	B-8
D6702	B-8
D6703	D-5
D6704	D-5
D6751	B-9
D6752	B-8
D6801	B-10
D6802	B-10
D6803	B-2
D6804	B-2
D6805	B-2
IC6701	D-8
IC6702	C-4
IC6751	D-9
IC6752	C-3
IC6801	C-2
IC6802	C-2
IC6803	C-2
IC6804	D-9
IC6805	D-2
IC6806	D-2
Q6801	B-2
Q6802	B-2
Q6803	C-3
Q6804	C-3



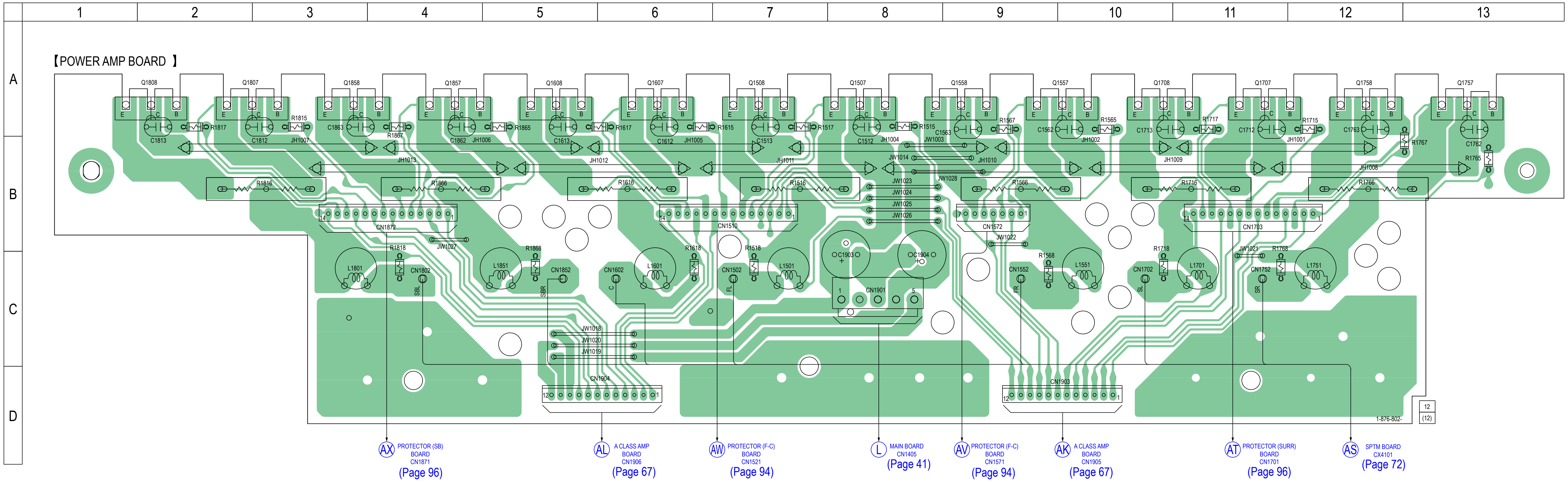
6-42. SCHEMATIC DIAGRAM - DMPORT Board -

• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



6-43. PRINTED WIRING BOARD - POWER AMP Board -

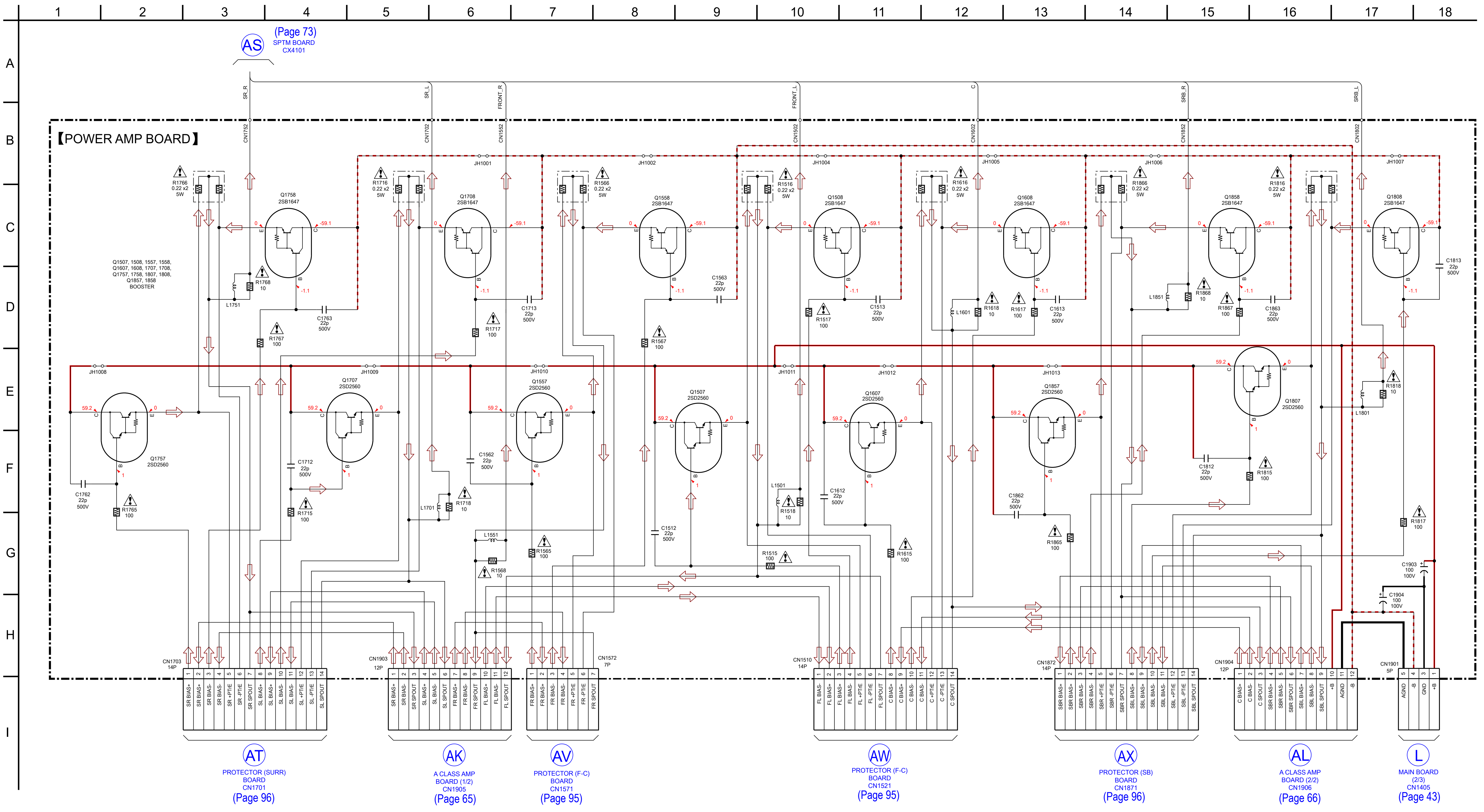
• See page 39 for Circuit Boards Location. • [LF] : Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location
Q1507	A-8
Q1508	A-7
Q1557	A-10
Q1558	A-9
Q1607	A-6
Q1608	A-5
Q1707	A-11
Q1708	A-10
Q1757	A-13
Q1758	A-12
Q1807	A-2
Q1808	A-2
Q1857	A-4
Q1858	A-3

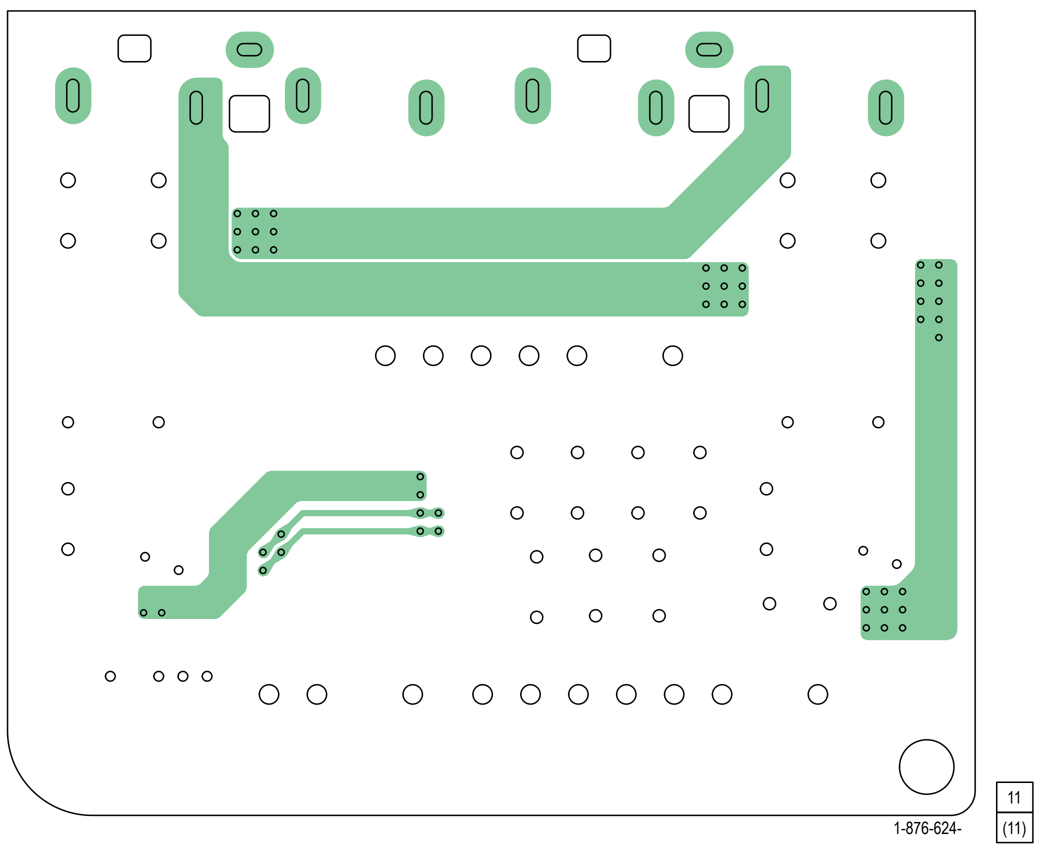
6-44. SCHEMATIC DIAGRAM - POWER AMP Board -



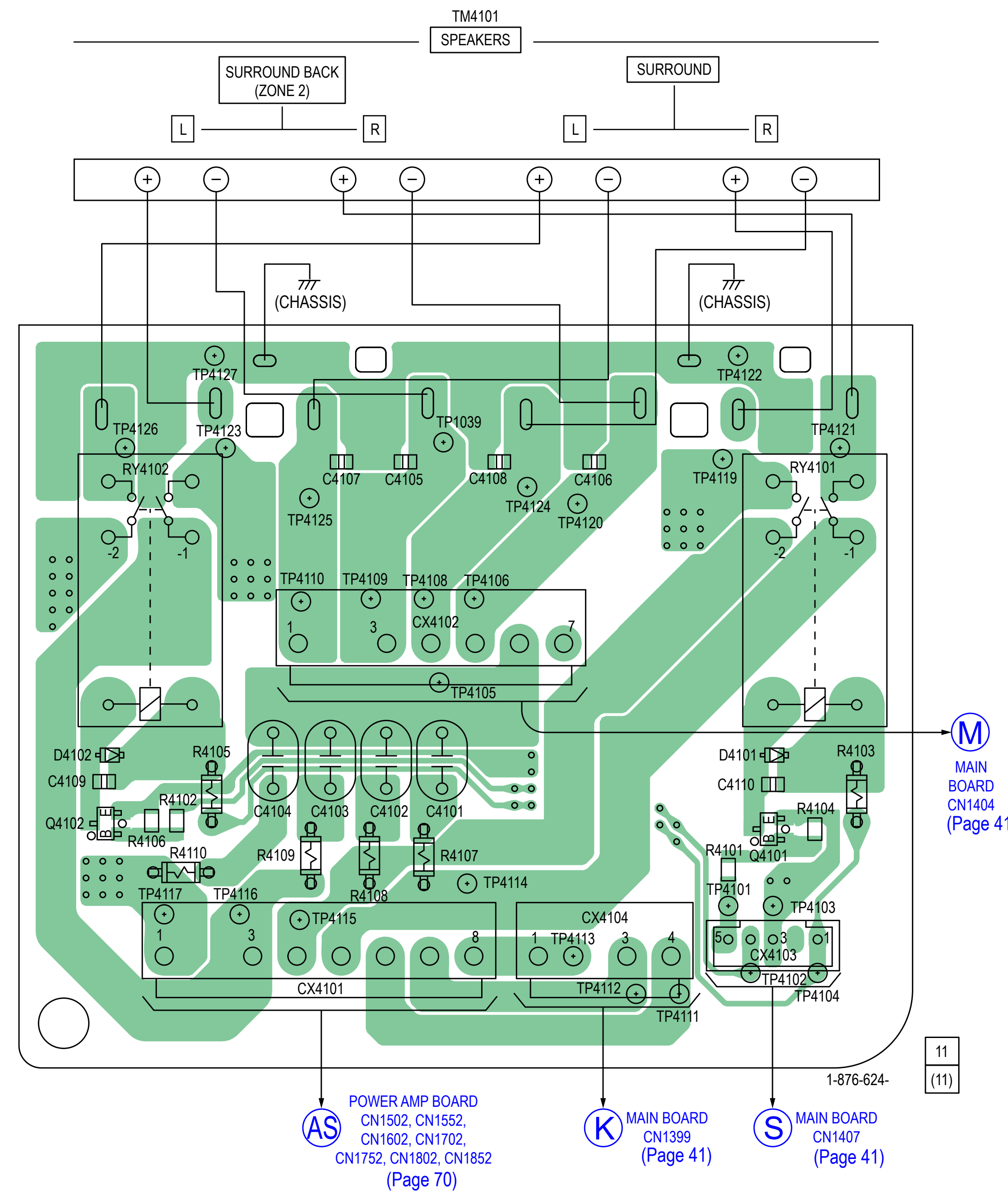
6-45. PRINTED WIRING BOARD - SPTM Board -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

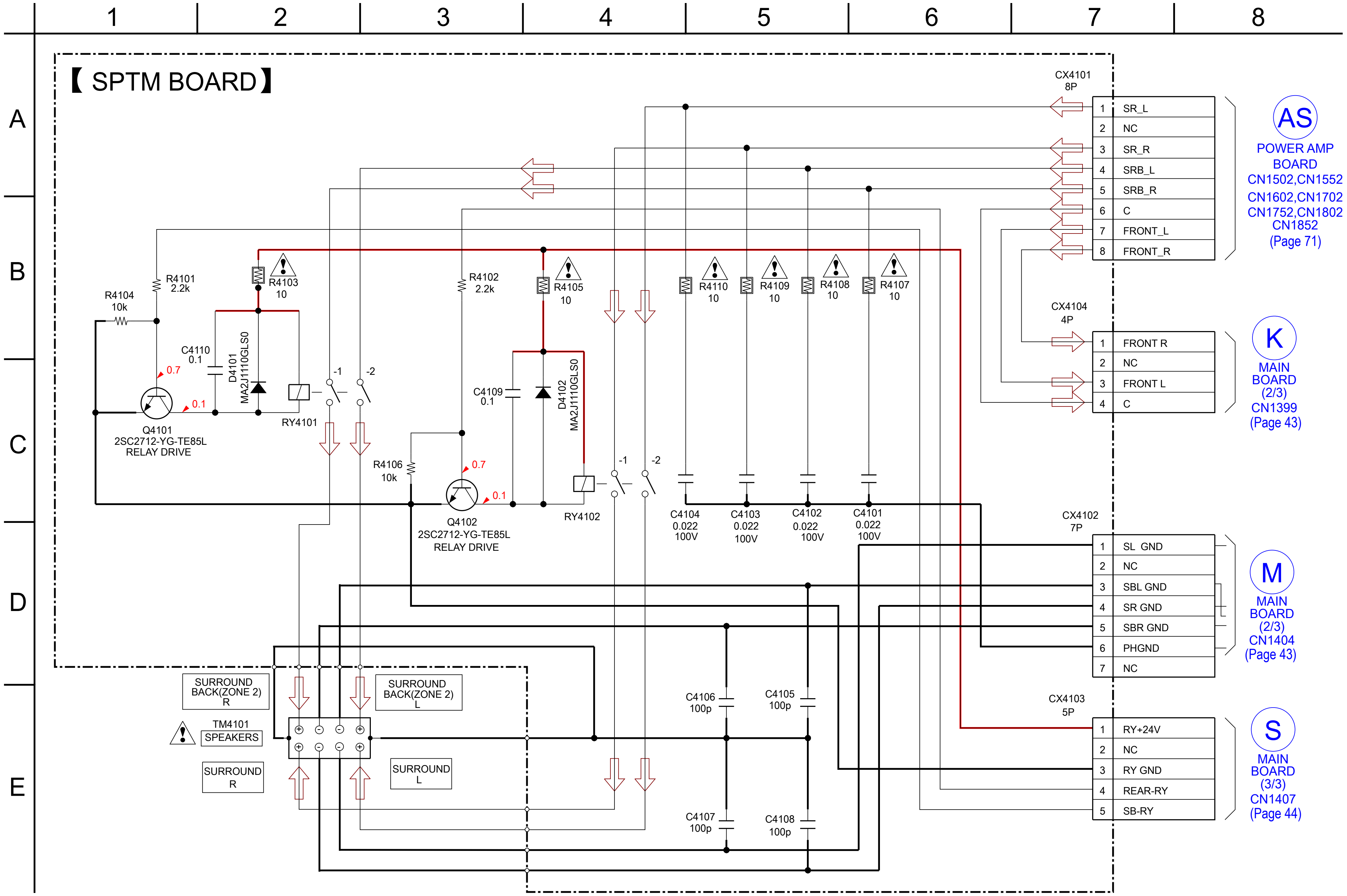
【SPTM BOARD】(COMPONENT SIDE)



【SPTM BOARD】(CONDUCTOR SIDE)



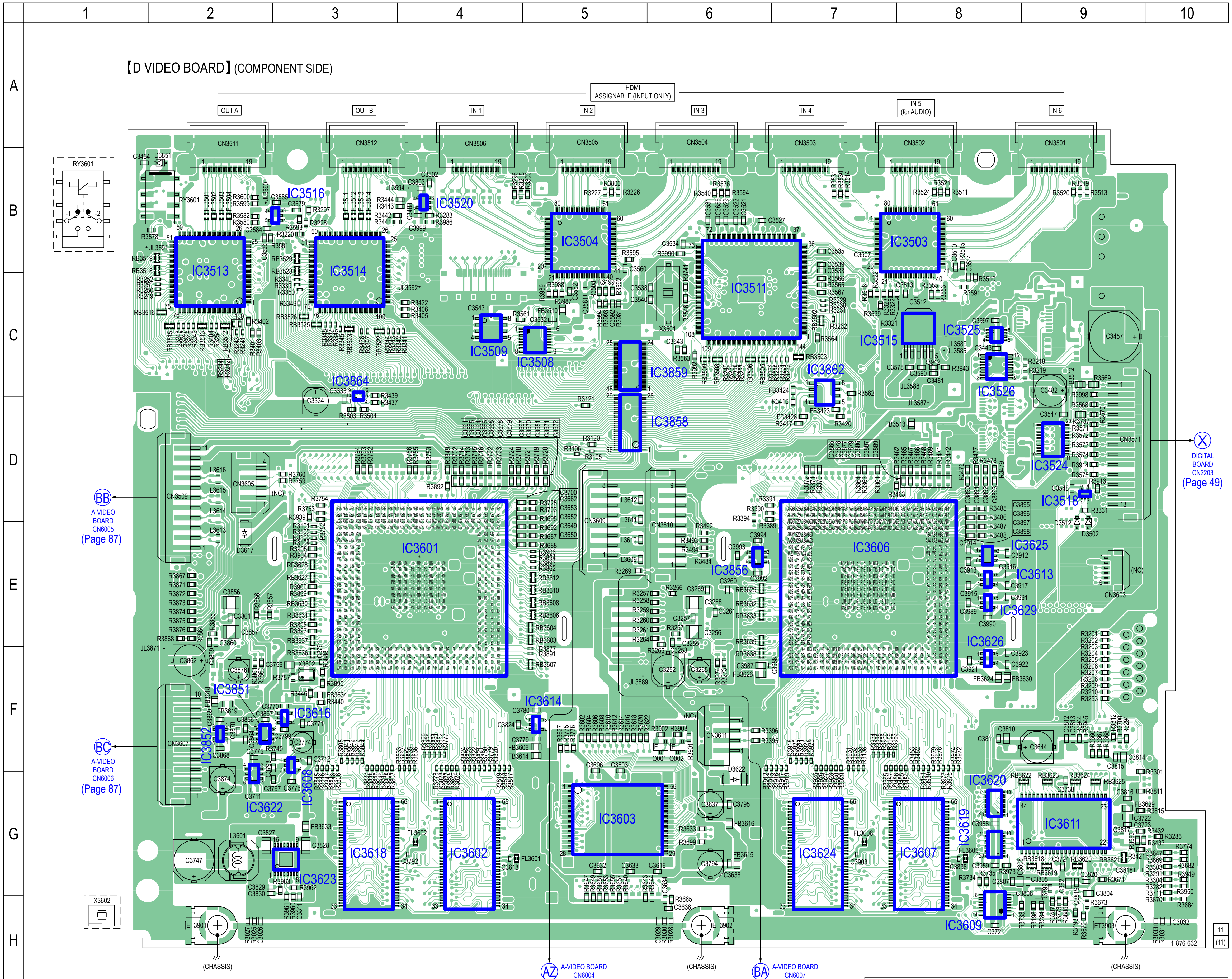
6-46. SCHEMATIC DIAGRAM - SPTM Board -



6-47. PRINTED WIRING BOARD - D VIDEO Board (Component Side) - • See page 39 for Circuit Boards Location. • : Uses unleaded solder.

• Semiconductor Location

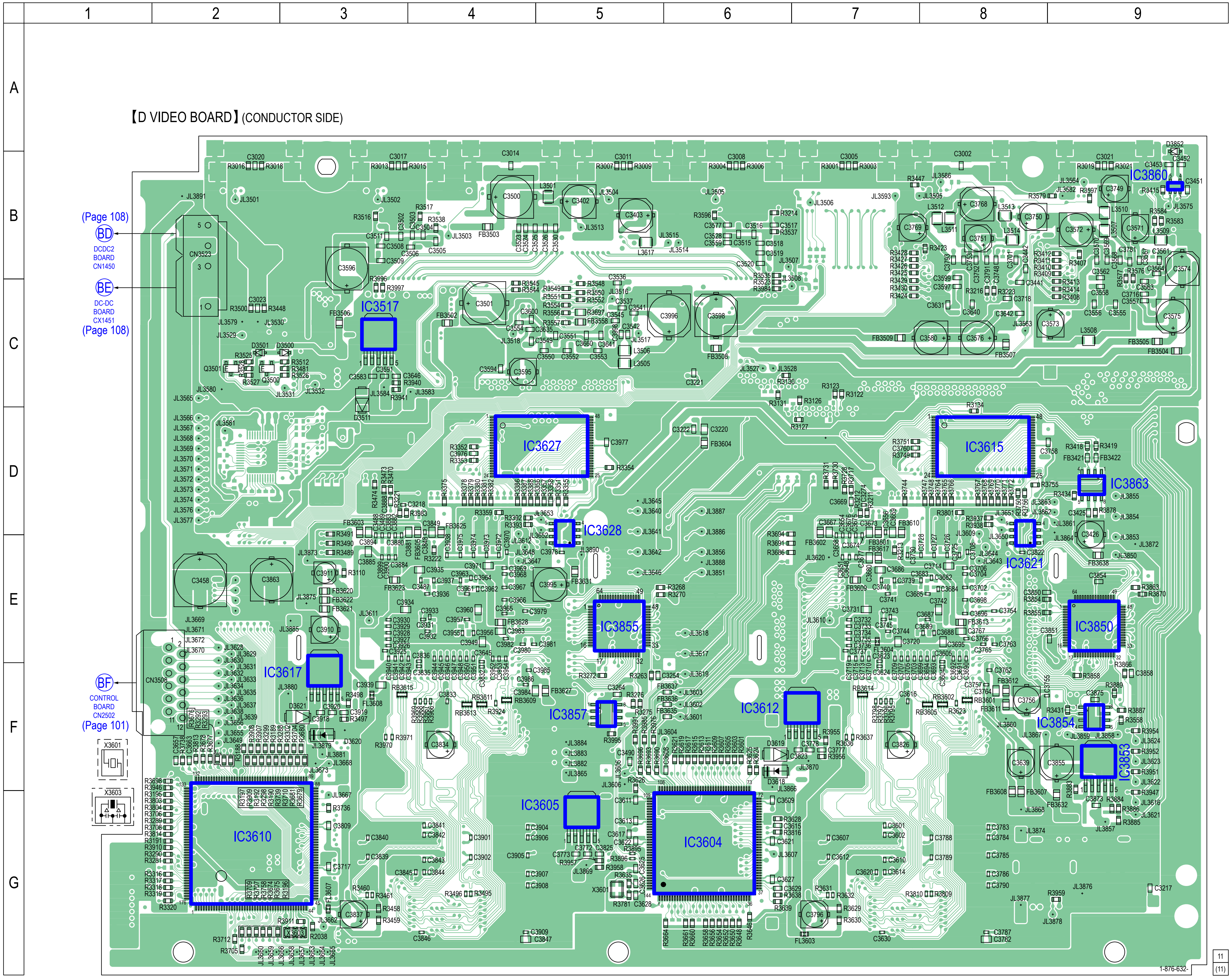
Ref. No.	Location
D3502	E-9
D3512	E-9
D3617	E-2
D3622	G-6
D3851	B-2
IC3503	B-8
IC3504	B-5
IC3508	C-5
IC3509	C-4
IC3511	C-6
IC3513	C-2
IC3514	C-3
IC3515	C-8
IC3516	B-3
IC3518	D-9
IC3520	B-4
IC3524	D-9
IC3525	C-8
IC3526	C-8
IC3601	E-4
IC3602	G-4
IC3603	G-5
IC3606	E-7
IC3607	G-8
IC3608	F-3
IC3609	H-8
IC3611	G-9
IC3613	E-8
IC3614	F-5
IC3616	F-3
IC3618	G-3
IC3619	G-8
IC3620	G-8
IC3622	G-2
IC3623	G-3
IC3624	G-7
IC3625	E-8
IC3626	F-8
IC3629	E-8
IC3851	F-2
IC3852	F-2
IC3856	E-6
IC3858	D-5
IC3859	C-5
IC3862	C-7
IC3864	C-3
Q001	F-6
Q002	F-6



Note: IC3511, IC3513 and IC3514 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

6-48. PRINTED WIRING BOARD - D VIDEO Board (Conductor Side) -

• See page 39 for Circuit Boards Location. • (lead-free solder mark) : Uses unleaded solder.

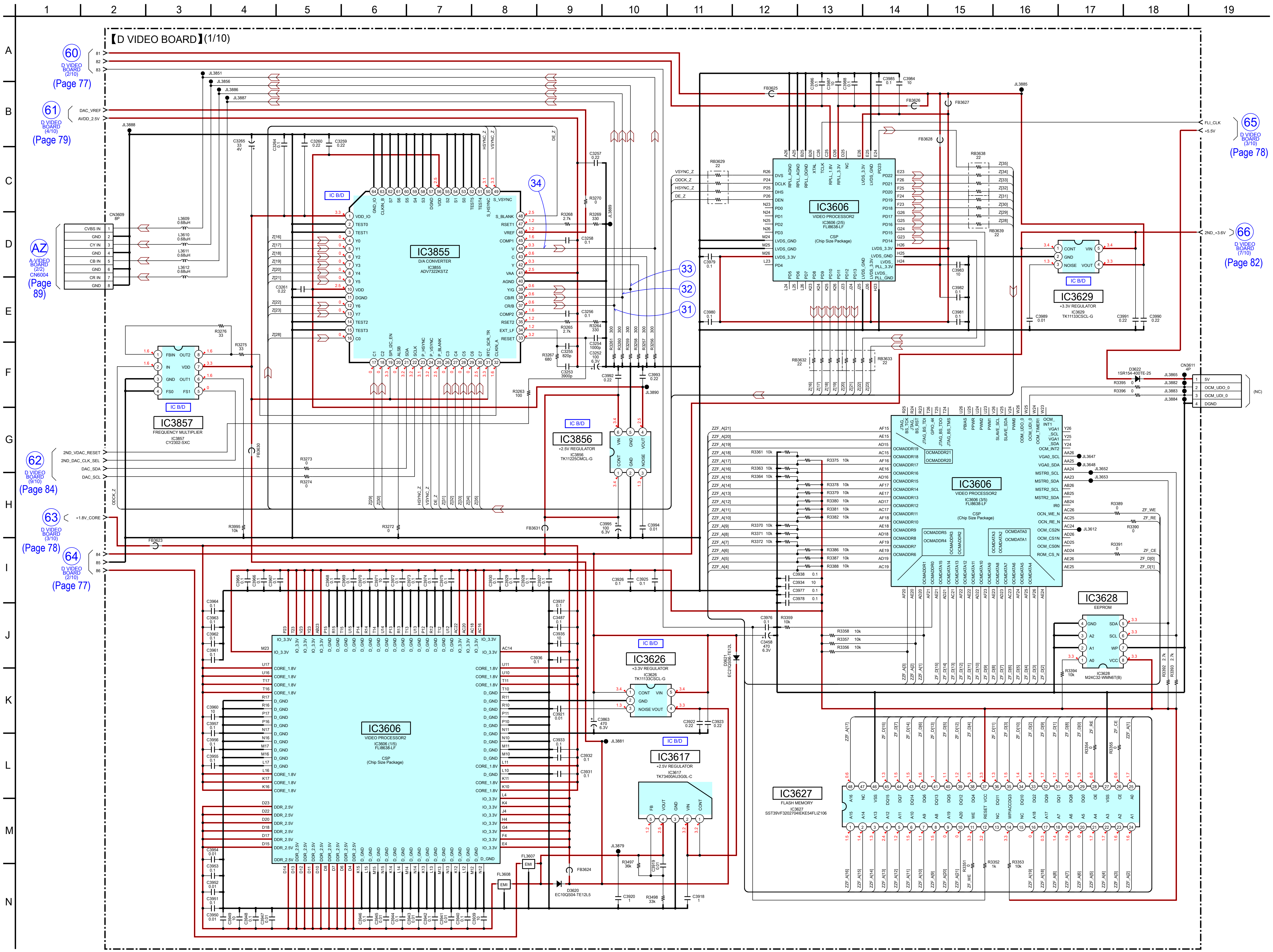


• Semiconductor Location

Ref. No.	Location
D3500	C-3
D3501	C-2
D3511	C-3
D3618	F-6
D3619	F-6
D3620	F-3
D3621	F-3
D3852	A-9
IC3517	C-3
IC3604	G-6
IC3605	G-5
IC3610	G-2
IC3612	F-7
IC3615	D-8
IC3617	F-3
IC3621	D-8
IC3627	D-5
IC3628	D-5
IC3850	E-9
IC3853	F-9
IC3854	F-9
IC3855	E-5
IC3857	F-5
IC3860	B-9
IC3863	D-9
Q3500	C-2
Q3501	C-2

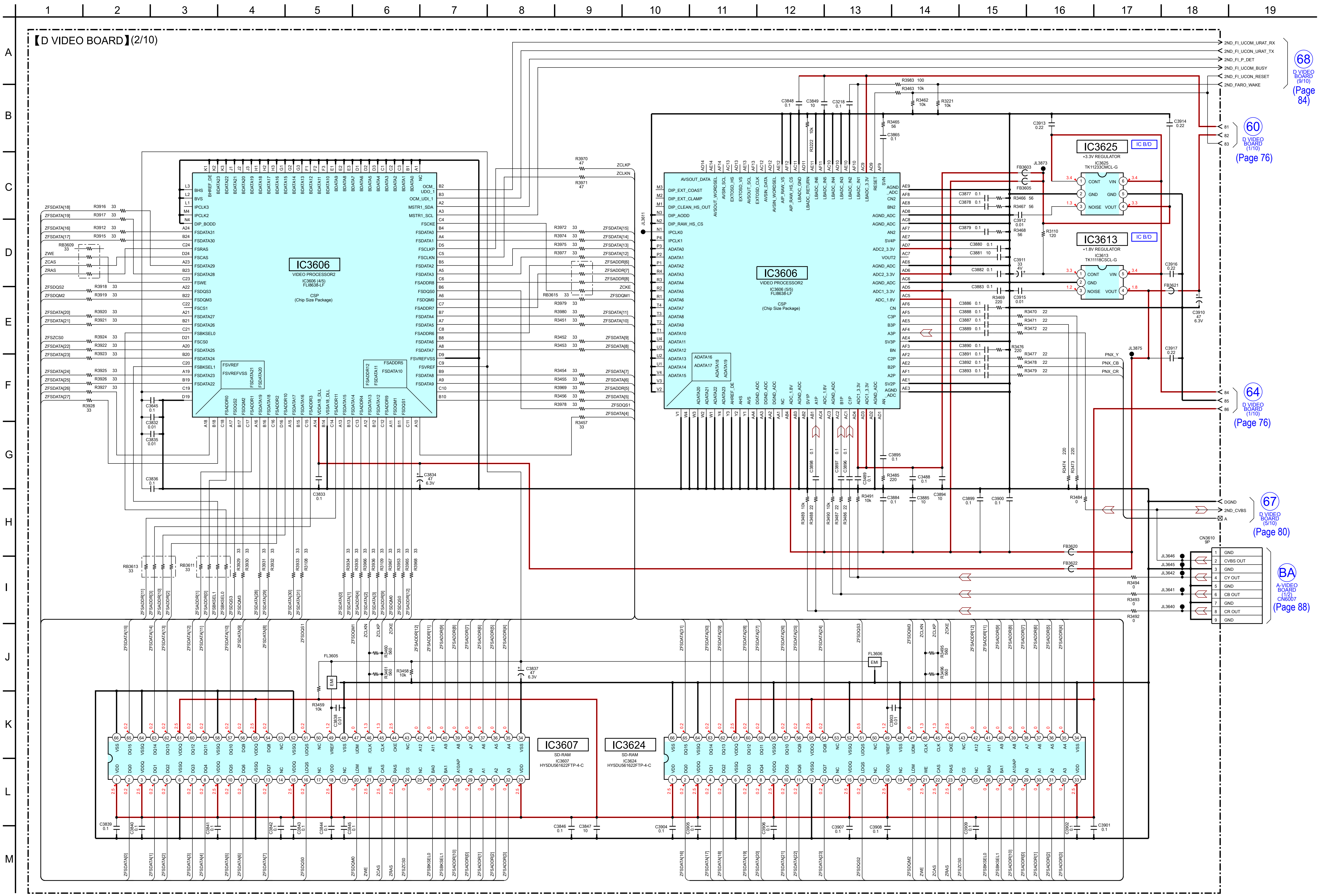
6-49. SCHEMATIC DIAGRAM - D VIDEO Board (1/10) -

• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



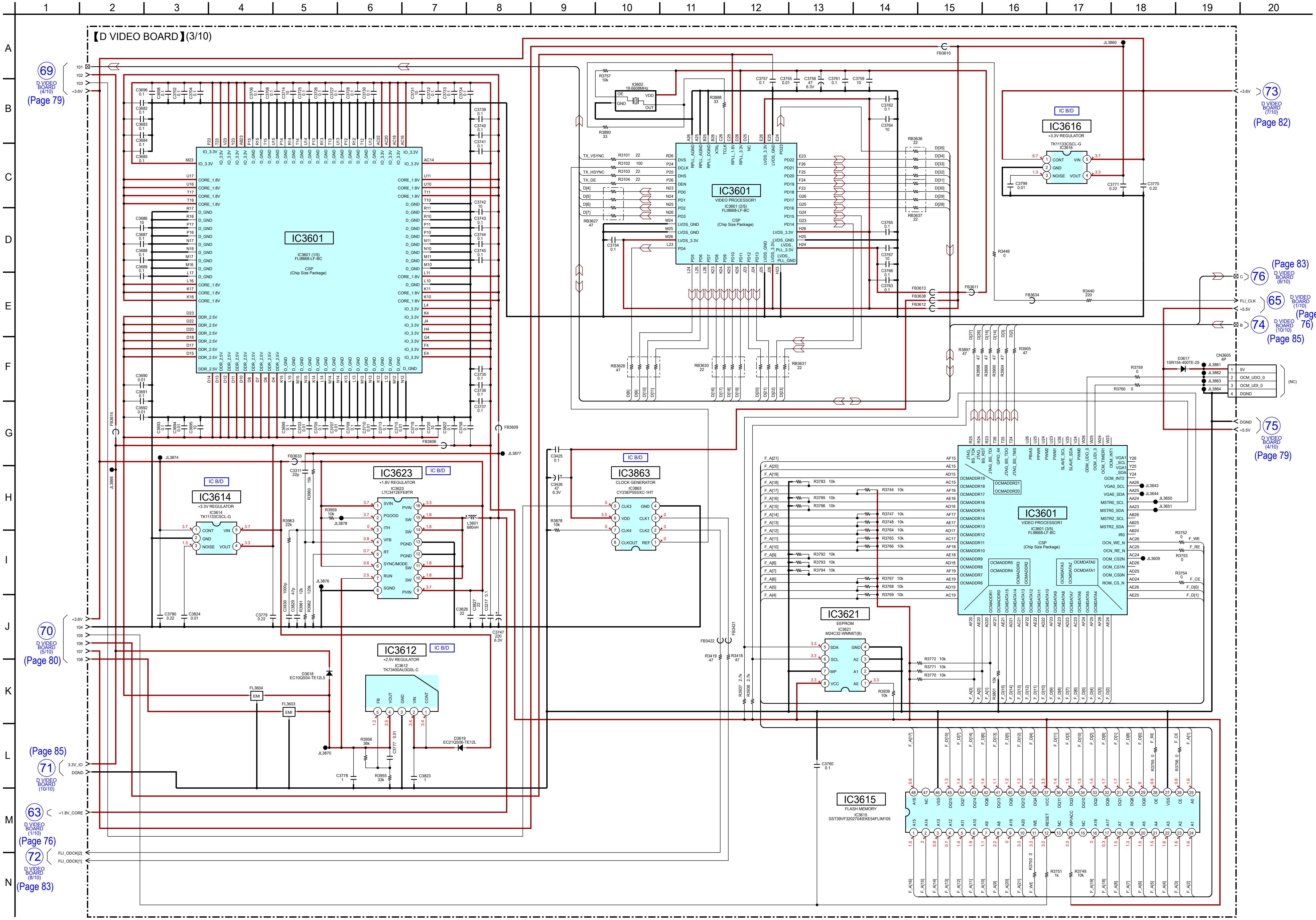
6-50. SCHEMATIC DIAGRAM - D VIDEO Board (2/10) -

• See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



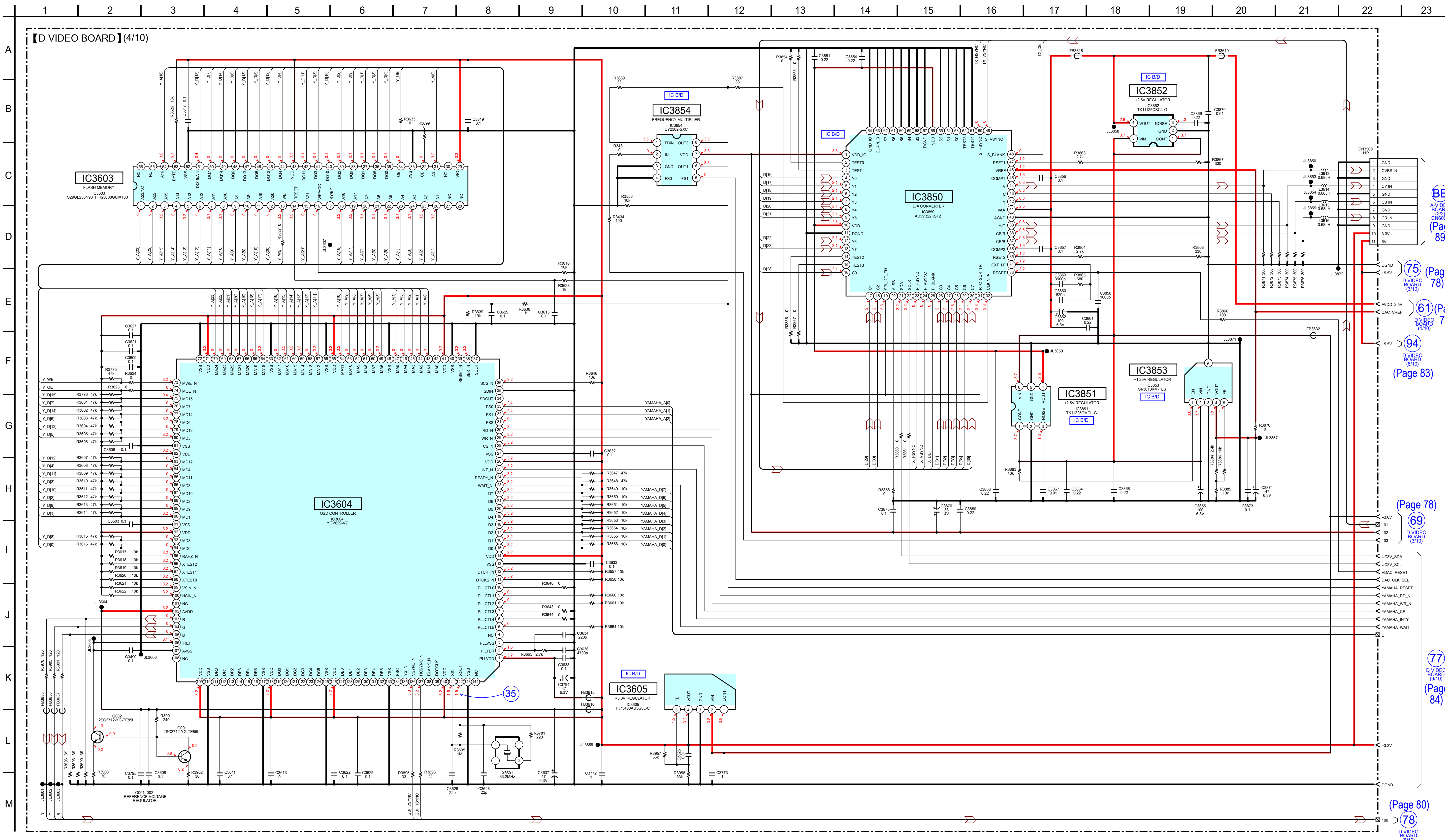
6-51. SCHEMATIC DIAGRAM - D VIDEO Board (3/10) -

• See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



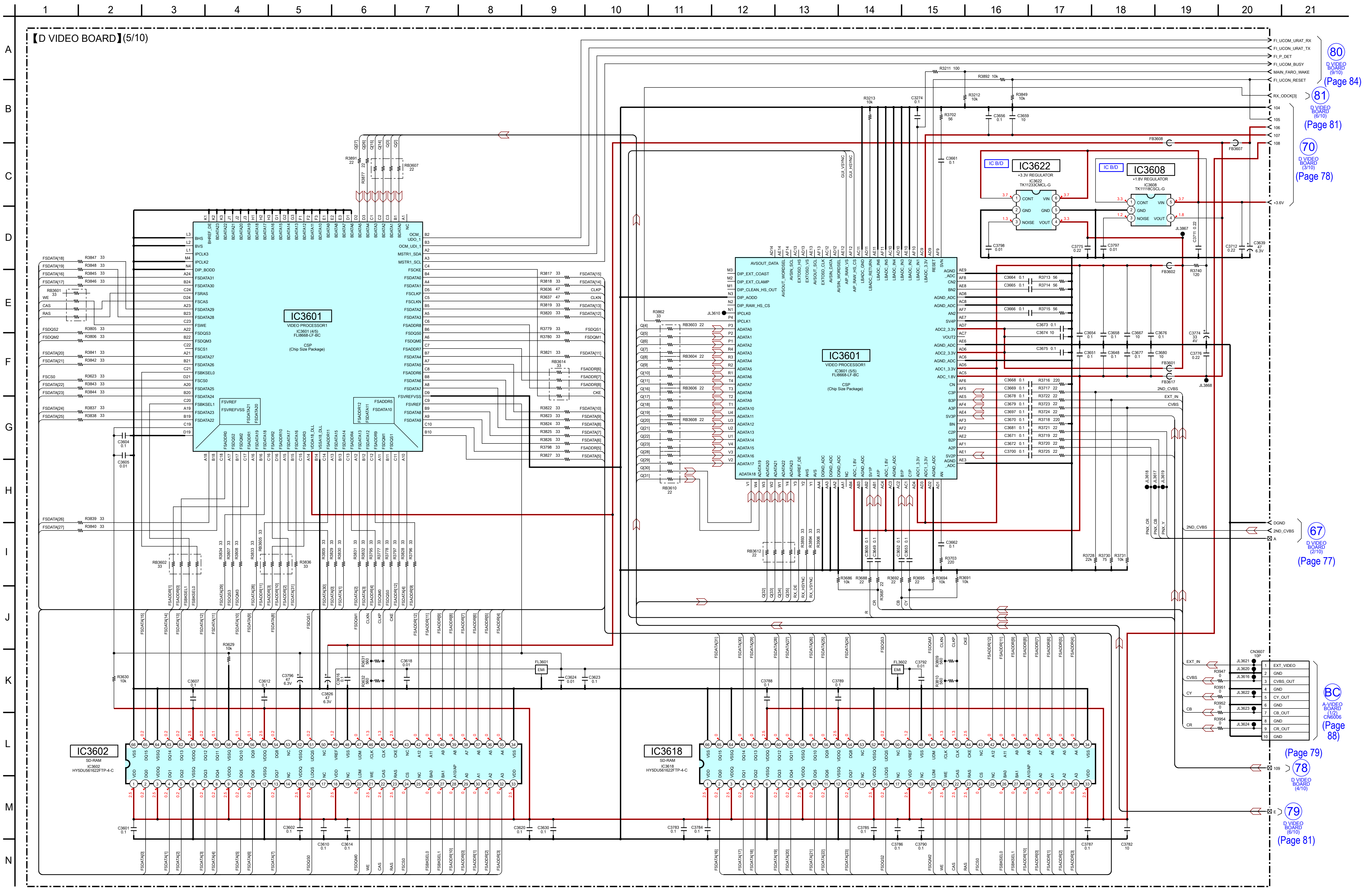
6-52. SCHEMATIC DIAGRAM - D VIDEO Board (4/10) -

• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



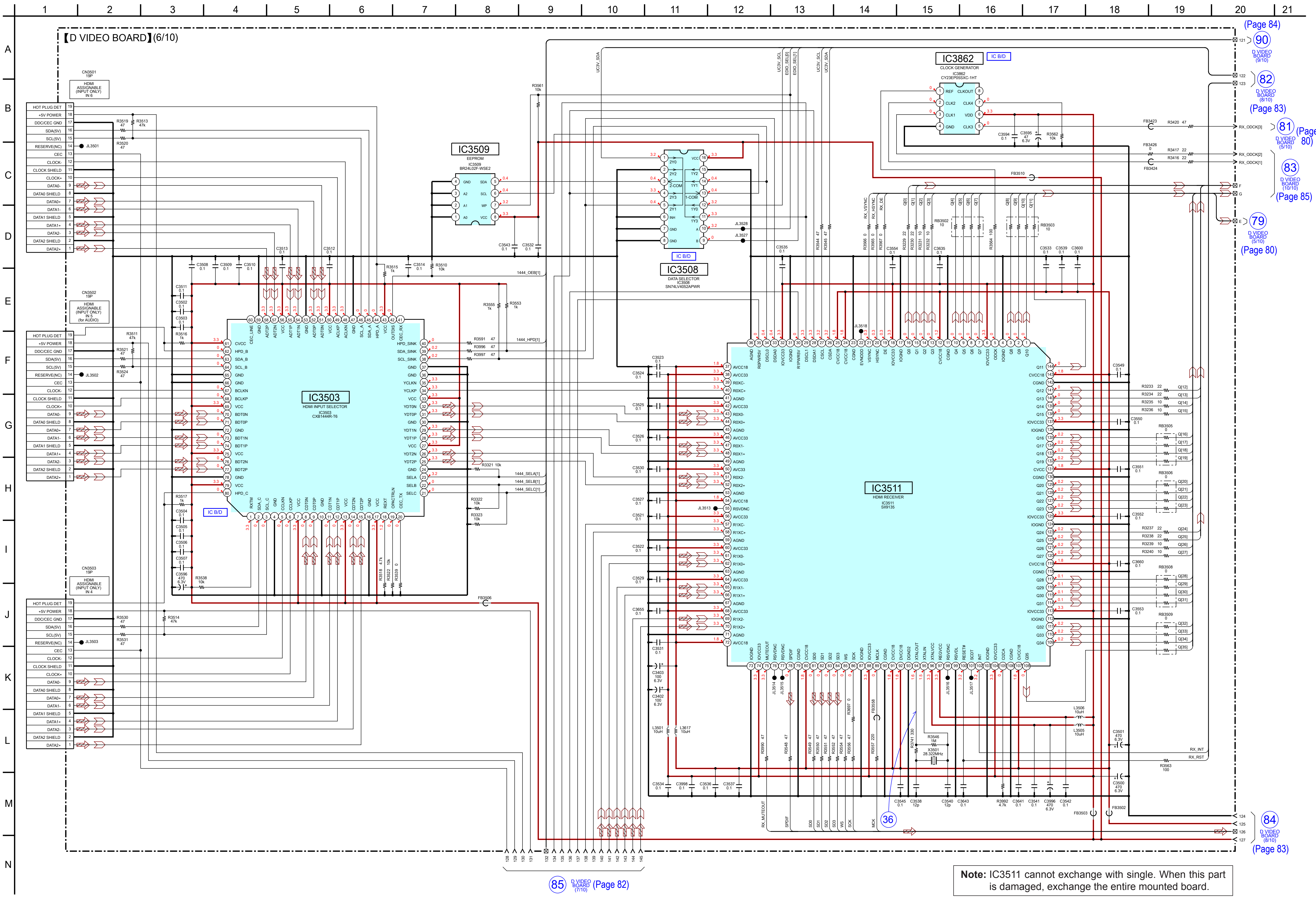
6-53. SCHEMATIC DIAGRAM - D VIDEO Board (5/10) -

• See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



6-54. SCHEMATIC DIAGRAM - D VIDEO Board (6/10) -

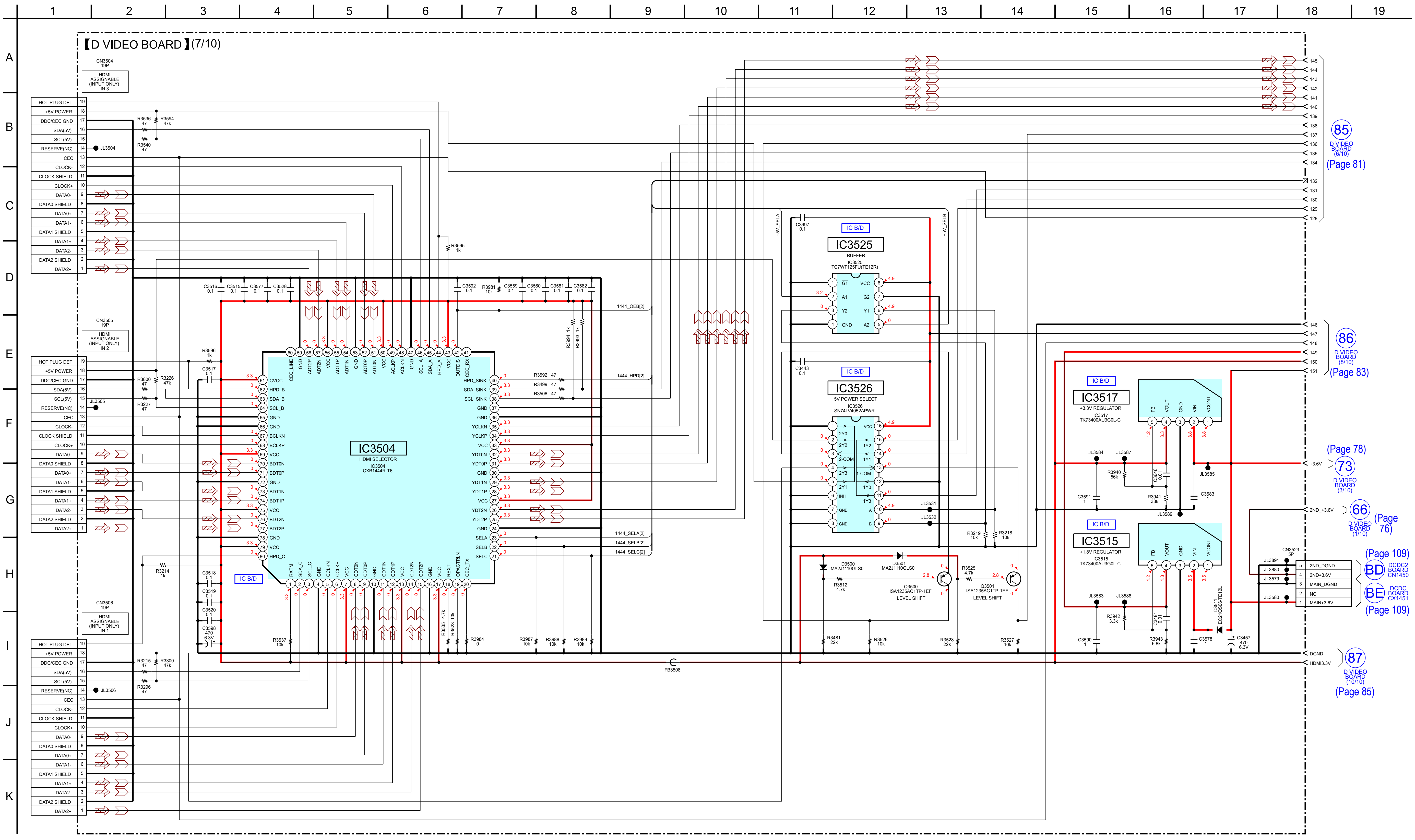
• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



Note: IC3511 cannot exchange with single. When this part is damaged, exchange the entire mounted board.

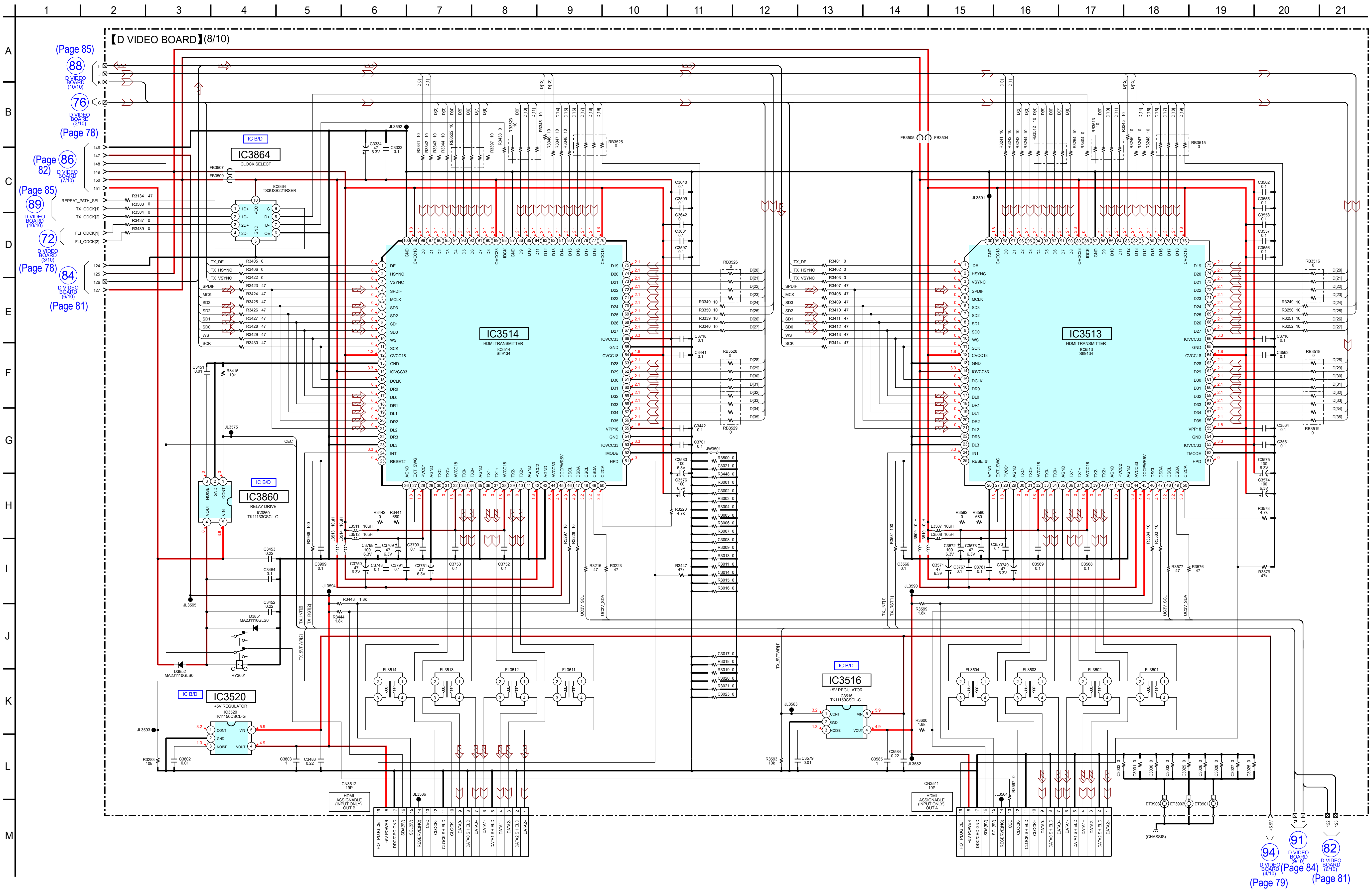
6-55. SCHEMATIC DIAGRAM - D VIDEO Board (7/10) -

• See page 112 for IC Block Diagrams.



6-56. SCHEMATIC DIAGRAM - D VIDEO Board (8/10) -

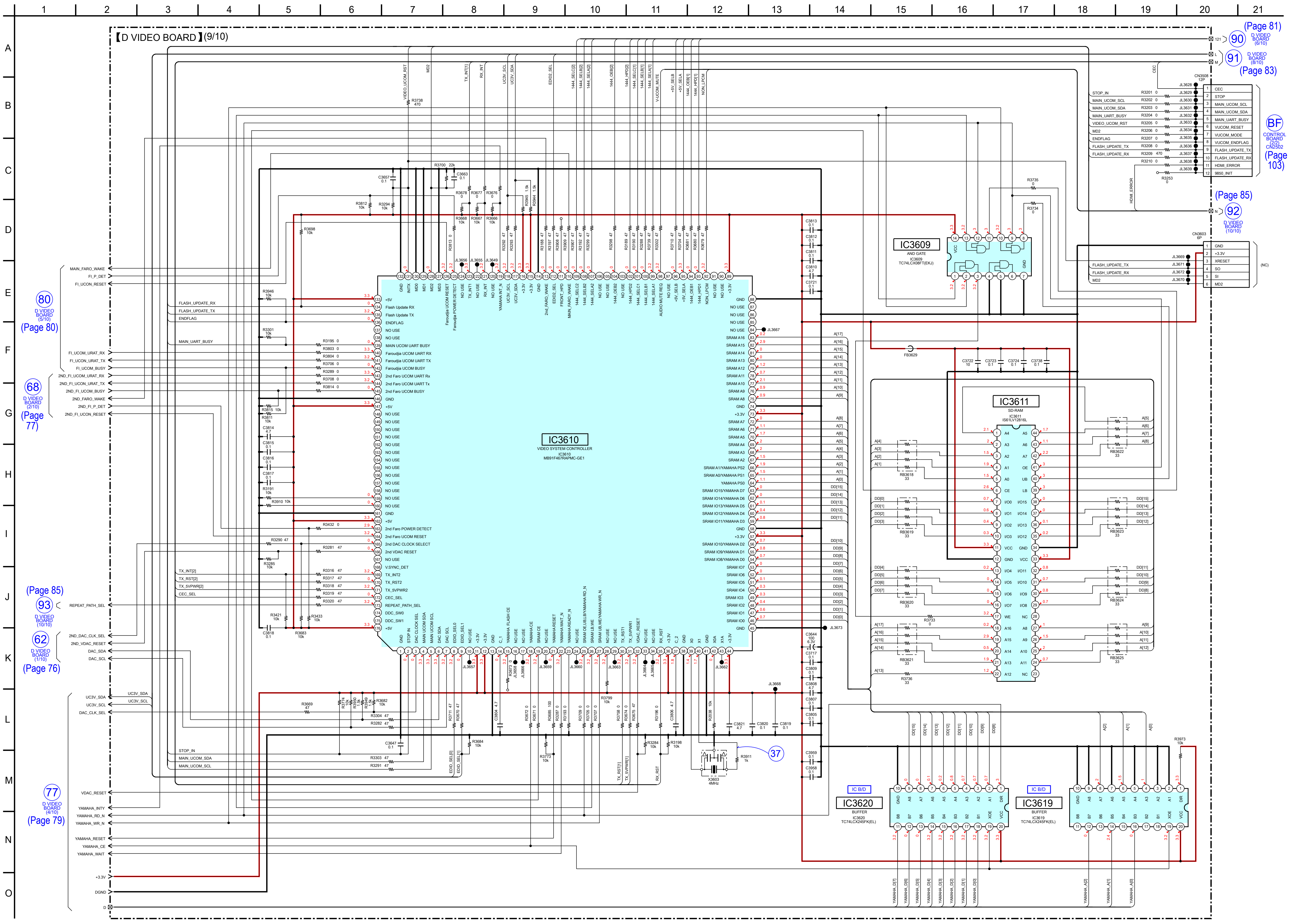
• See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



Note: IC3513 and IC3514 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

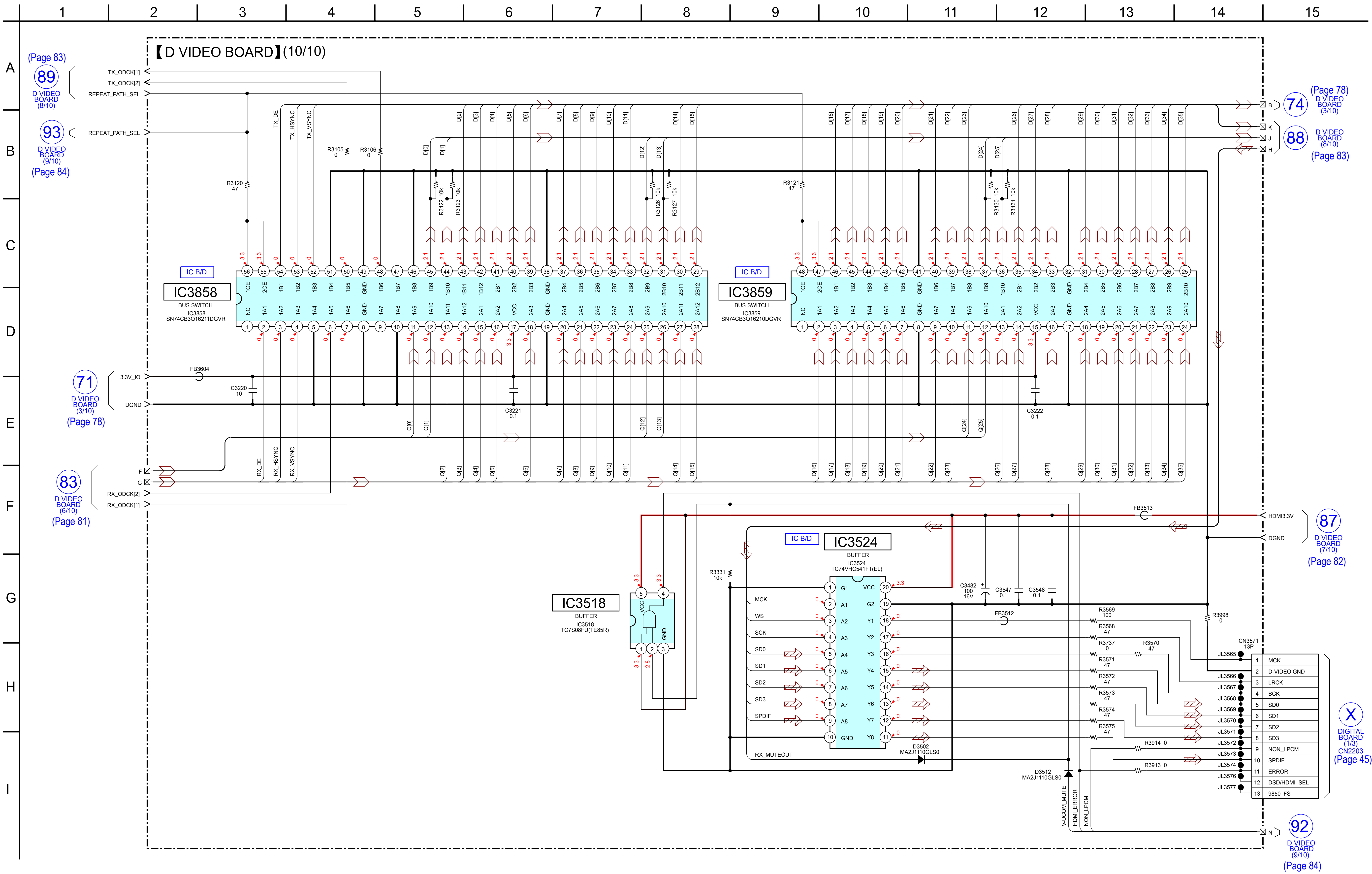
6-57. SCHEMATIC DIAGRAM - D VIDEO Board (9/10) -

• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



6-58. SCHEMATIC DIAGRAM - D VIDEO Board (10/10) -

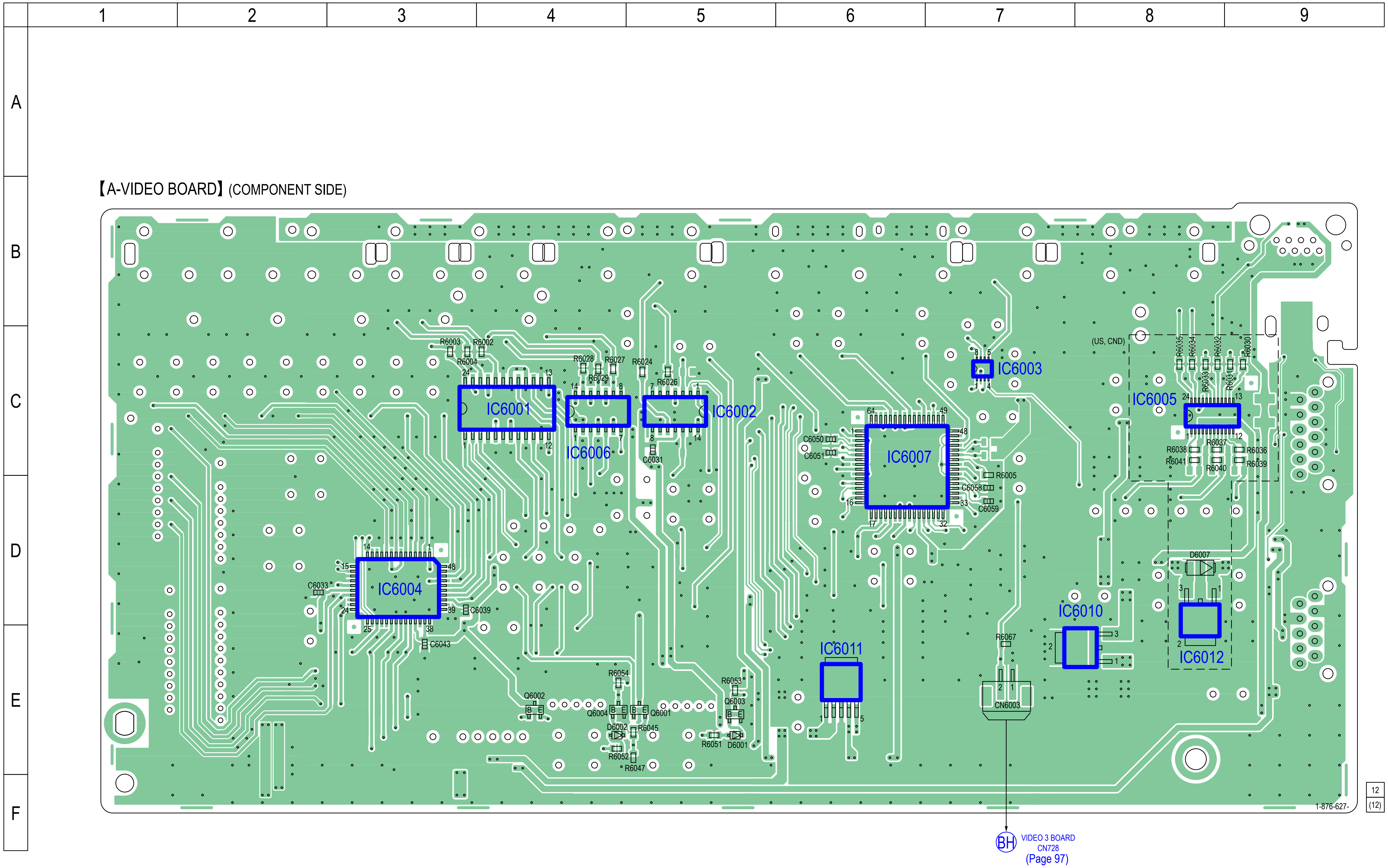
• See page 112 for IC Block Diagrams.



6-59. PRINTED WIRING BOARD - A-VIDEO Board (Component Side) - • See page 39 for Circuit Boards Location. • : Uses unleaded solder.

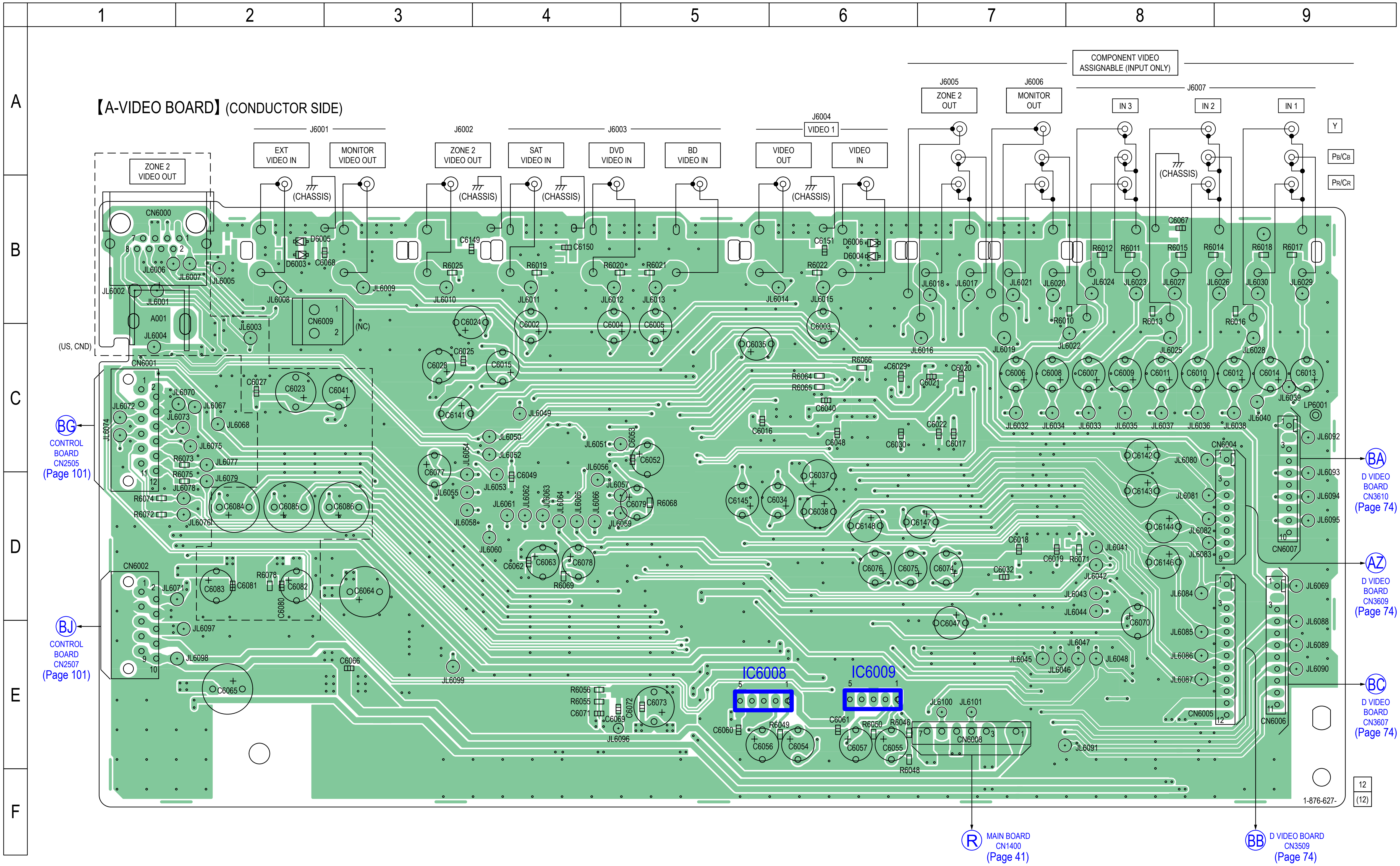
• **Semiconductor Location**

Ref. No.	Location
D6001	E-5
D6002	E-4
D6007	D-8
IC6001	C-4
IC6002	C-5
IC6003	C-7
IC6004	D-3
IC6005	C-8
IC6006	C-4
IC6007	C-6
IC6010	E-8
IC6011	E-6
IC6012	D-8
Q6001	E-5
Q6002	E-4
Q6003	E-5
Q6004	E-4



6-60. PRINTED WIRING BOARD - A-VIDEO Board (Conductor Side) -

• See page 39 for Circuit Boards Location. • LF : Uses unleaded solder.

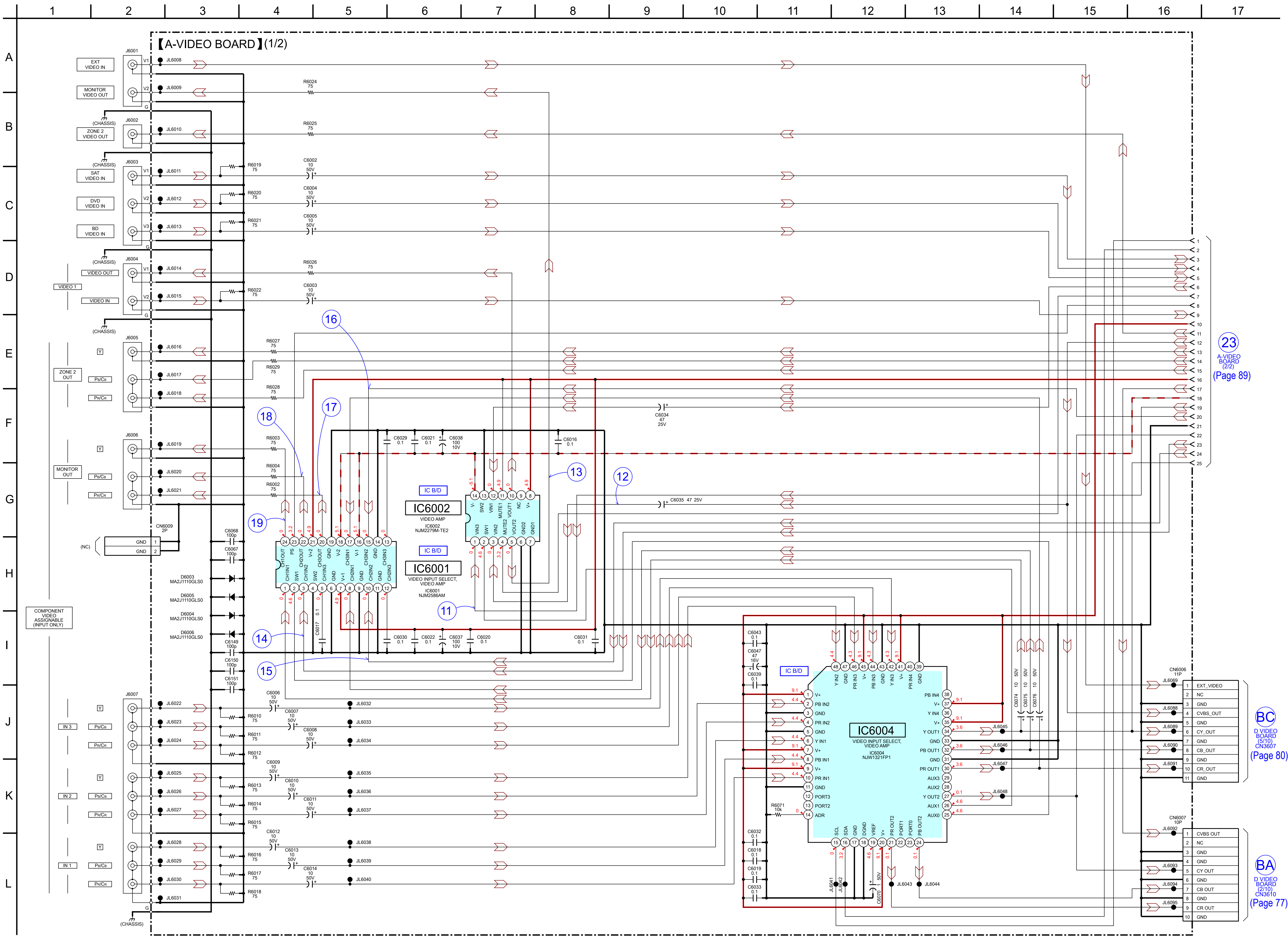


• Semiconductor Location

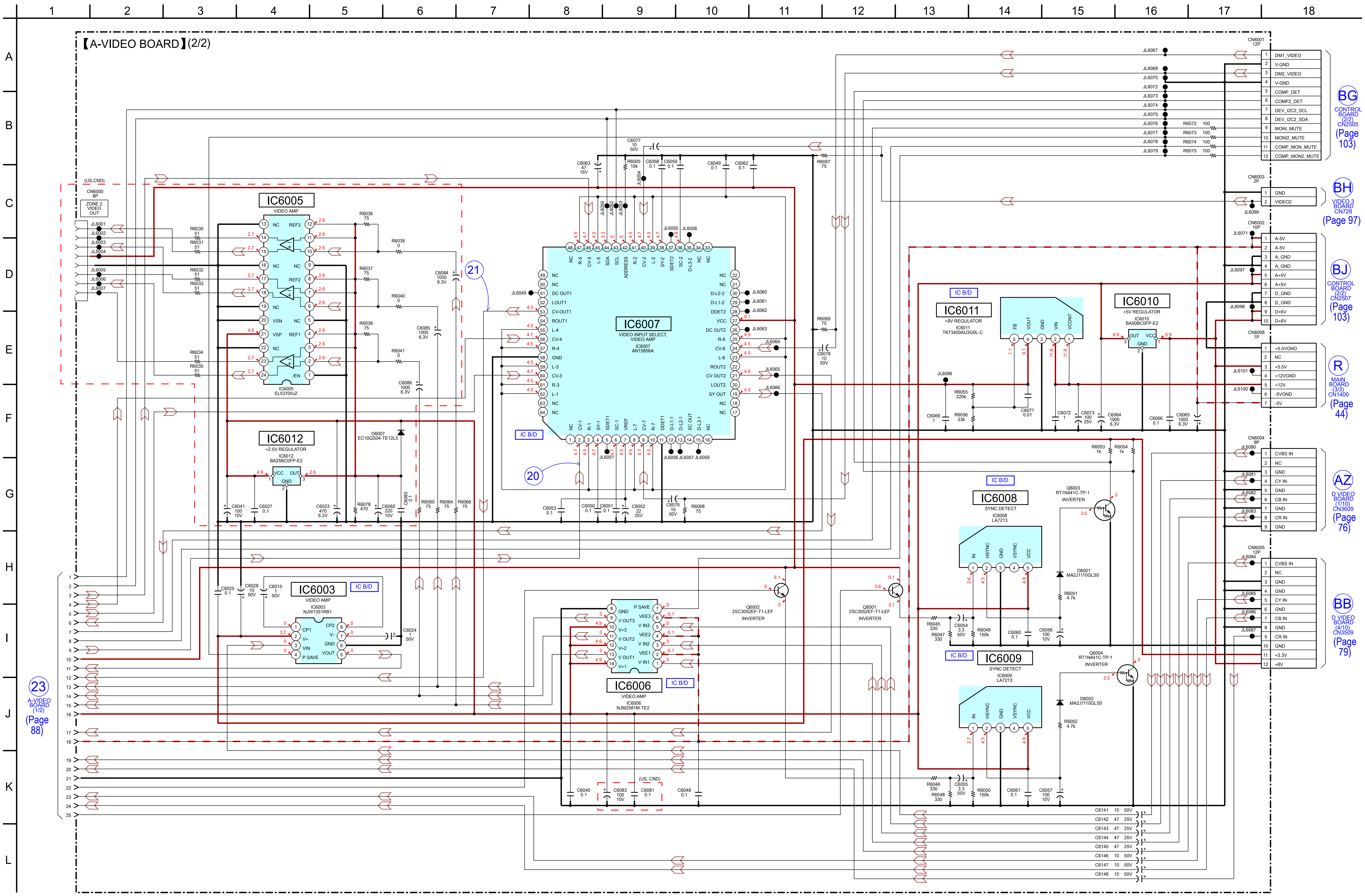
Ref. No.	Location
D6003	B-2
D6004	B-6
D6005	B-2
D6006	B-6
IC6008	E-5
IC6009	E-6

6-61. SCHEMATIC DIAGRAM - A-VIDEO Board (1/2) -

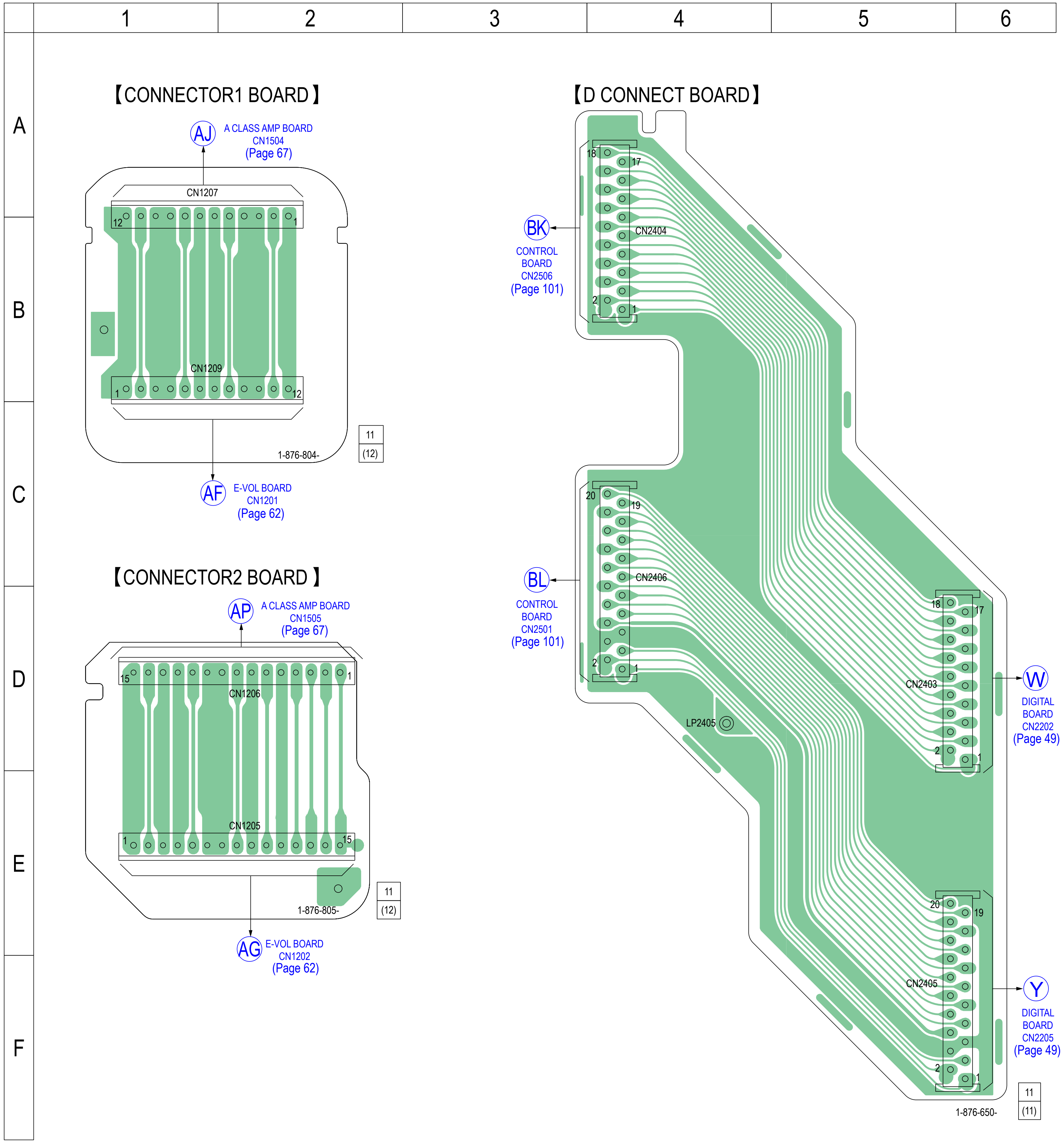
• See page 107 for waveforms. • See page 112 for IC Block Diagrams.



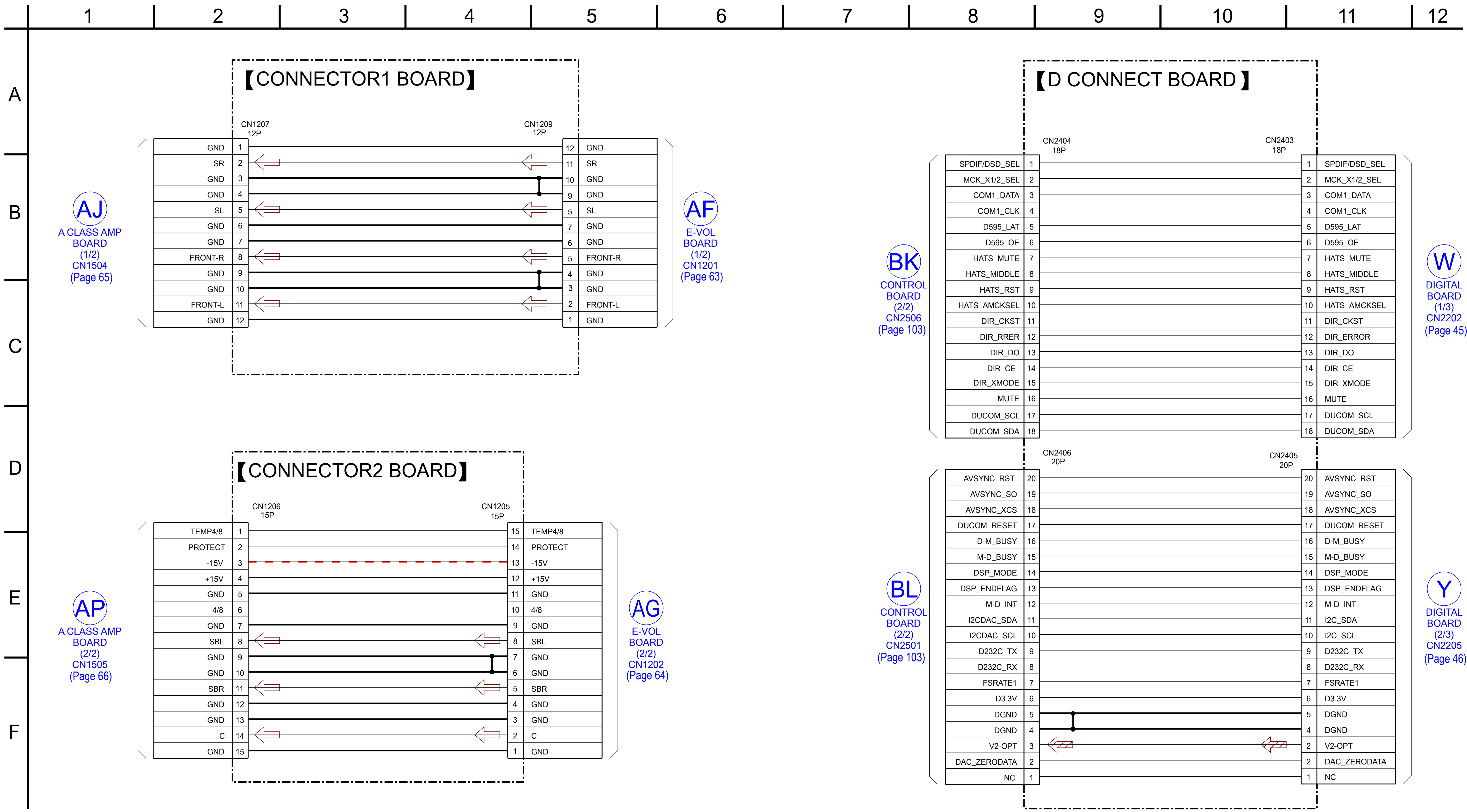
6-62. SCHEMATIC DIAGRAM - A-VIDEO Board (2/2) - • See page 107 for waveforms. • See page 112 for IC Block Diagrams.



6-63. PRINTED WIRING BOARDS - CONNECTOR Section - • See page 39 for Circuit Boards Location. • : Uses unleaded solder.

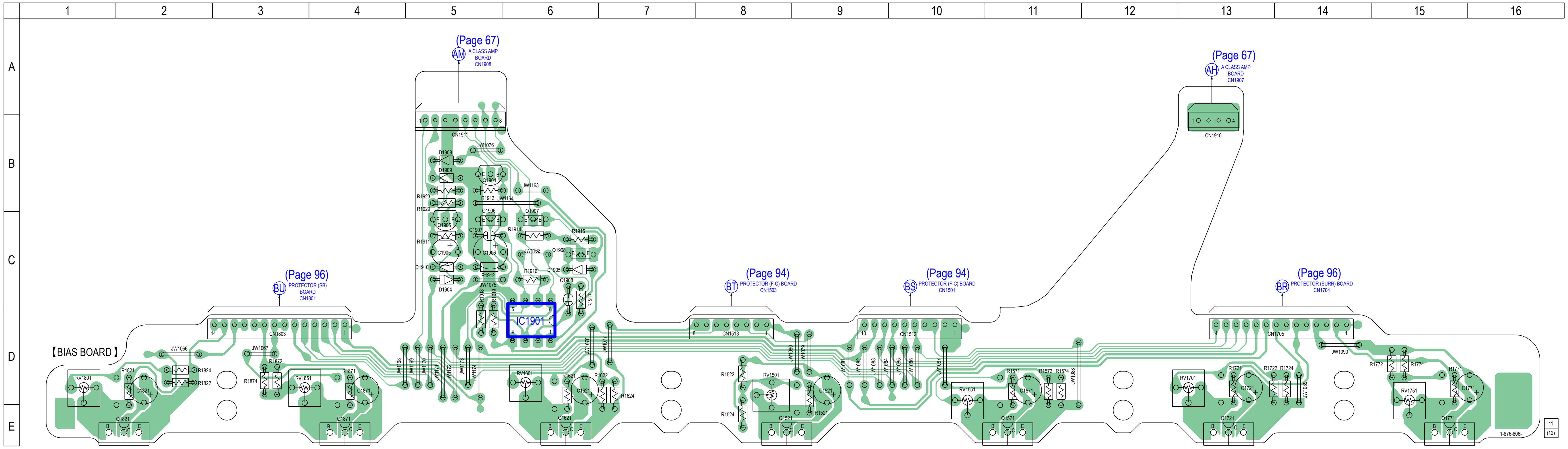


6-64. SCHEMATIC DIAGRAM - CONNECTOR Section -



6-65. PRINTED WIRING BOARD - BIAS Board -

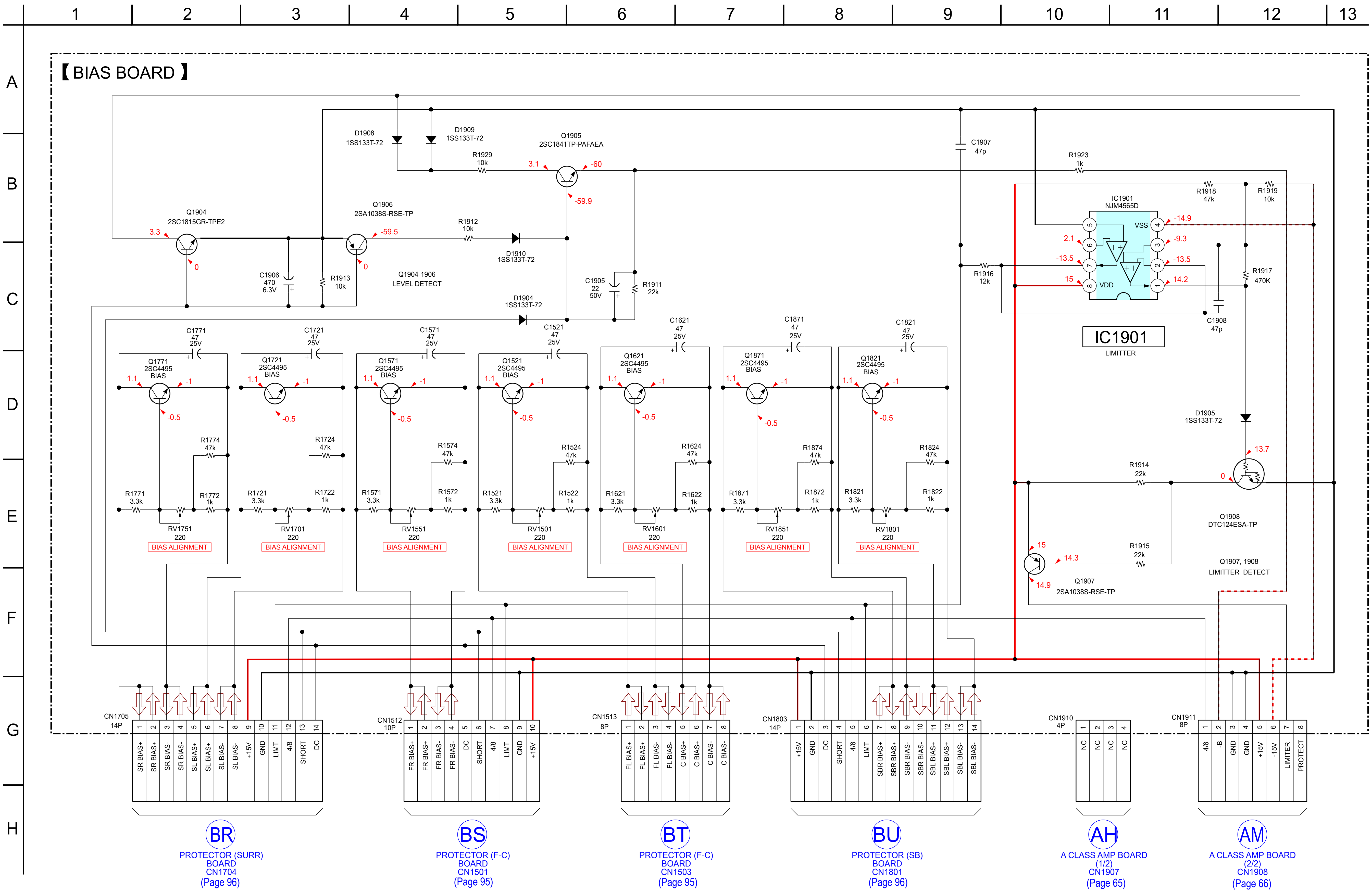
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



• **Semiconductor Location**

Ref. No.	Location
D1904	C-5
D1905	C-6
D1908	B-5
D1909	B-5
D1910	C-5
IC1901	D-6
Q1521	E-8
Q1571	E-11
Q1621	E-6
Q1721	E-13
Q1771	E-15
Q1821	E-2
Q1871	E-4
Q1904	B-5
Q1905	C-5
Q1906	C-5
Q1907	C-6
Q1908	C-6

6-66. SCHEMATIC DIAGRAM - BIAS Board -

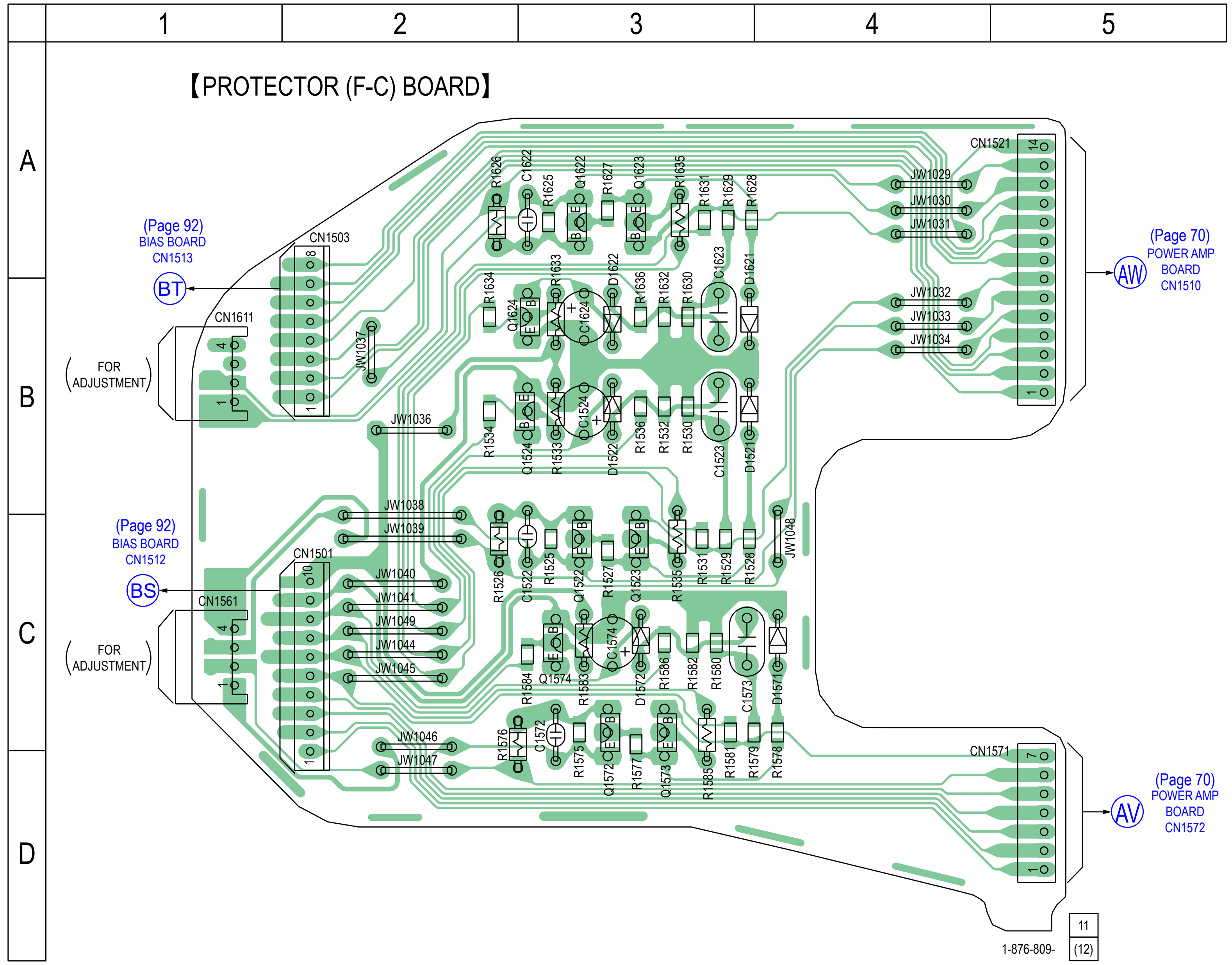


6-67. PRINTED WIRING BOARD - PROTECTOR (F-C) Board -

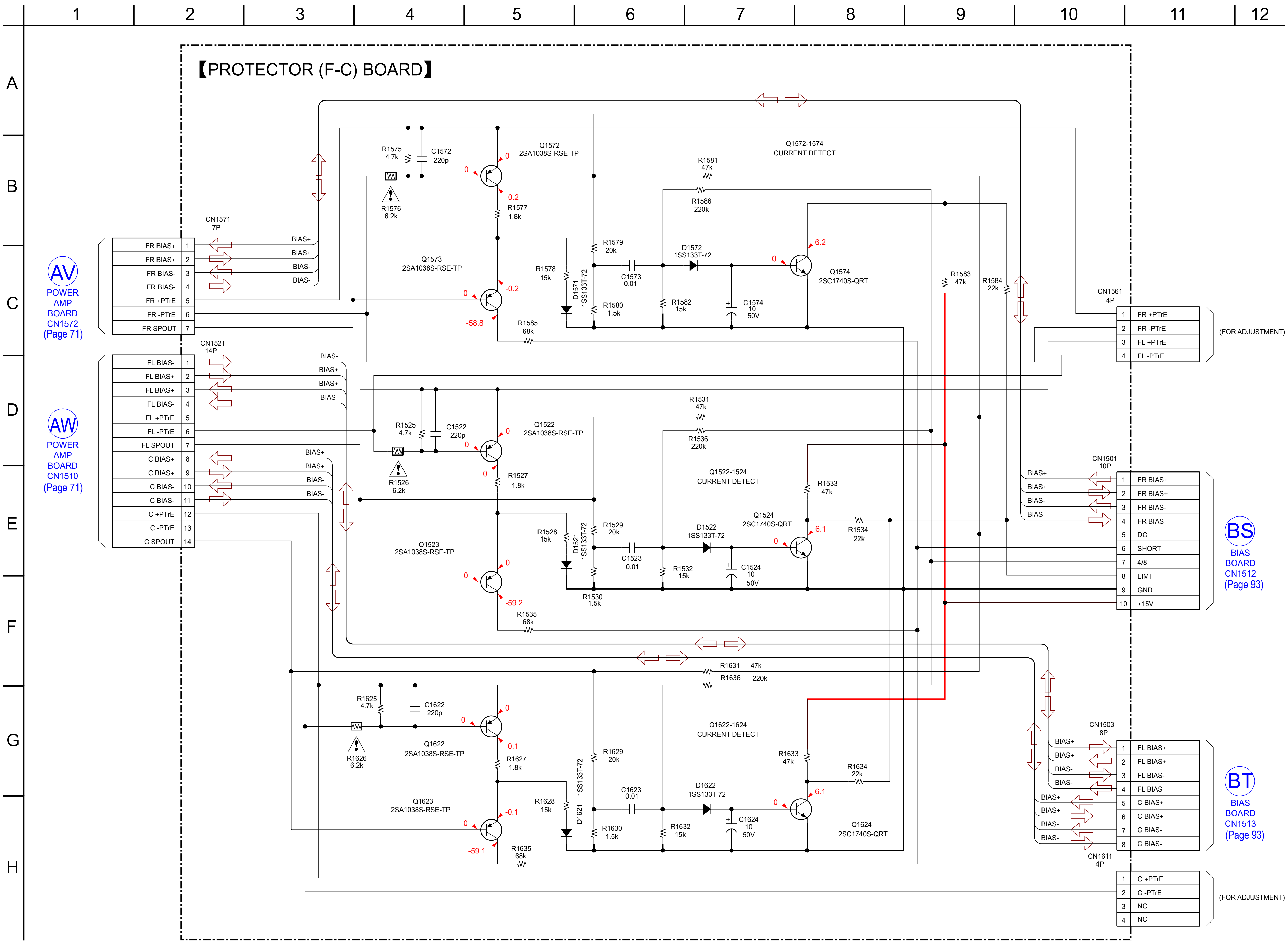
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

• **Semiconductor Location**

Ref. No.	Location
D1521	B-3
D1522	B-3
D1571	C-4
D1572	C-3
D1621	B-3
D1622	B-3
Q1522	C-3
Q1523	C-3
Q1524	B-3
Q1572	C-3
Q1573	C-3
Q1574	C-3
Q1622	A-3
Q1623	A-3
Q1624	B-3

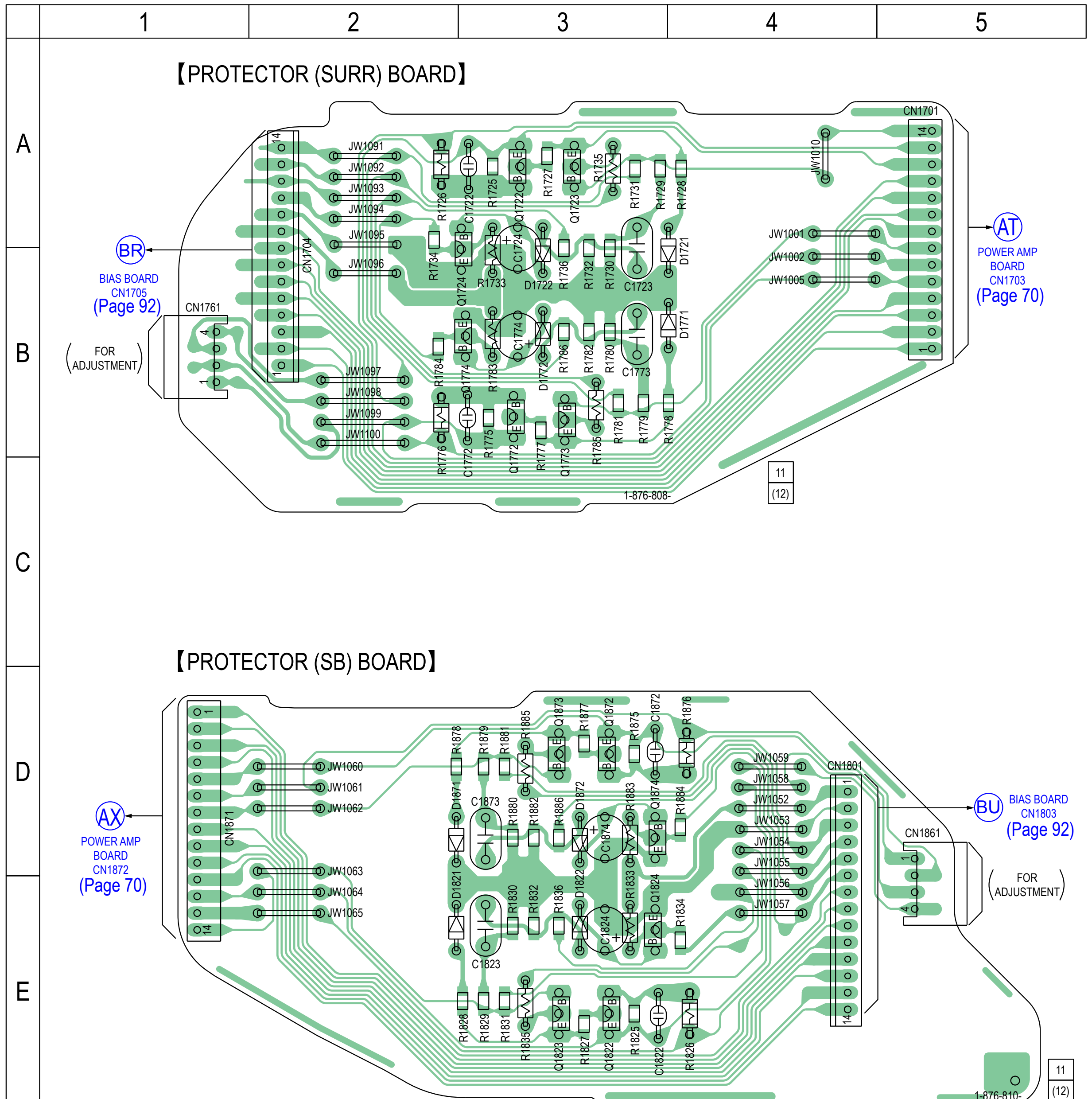


6-68. SCHEMATIC DIAGRAM - PROTECTOR (F-C) Board -



6-69. PRINTED WIRING BOARDS - PROTECTOR (SB/SURR) Section -

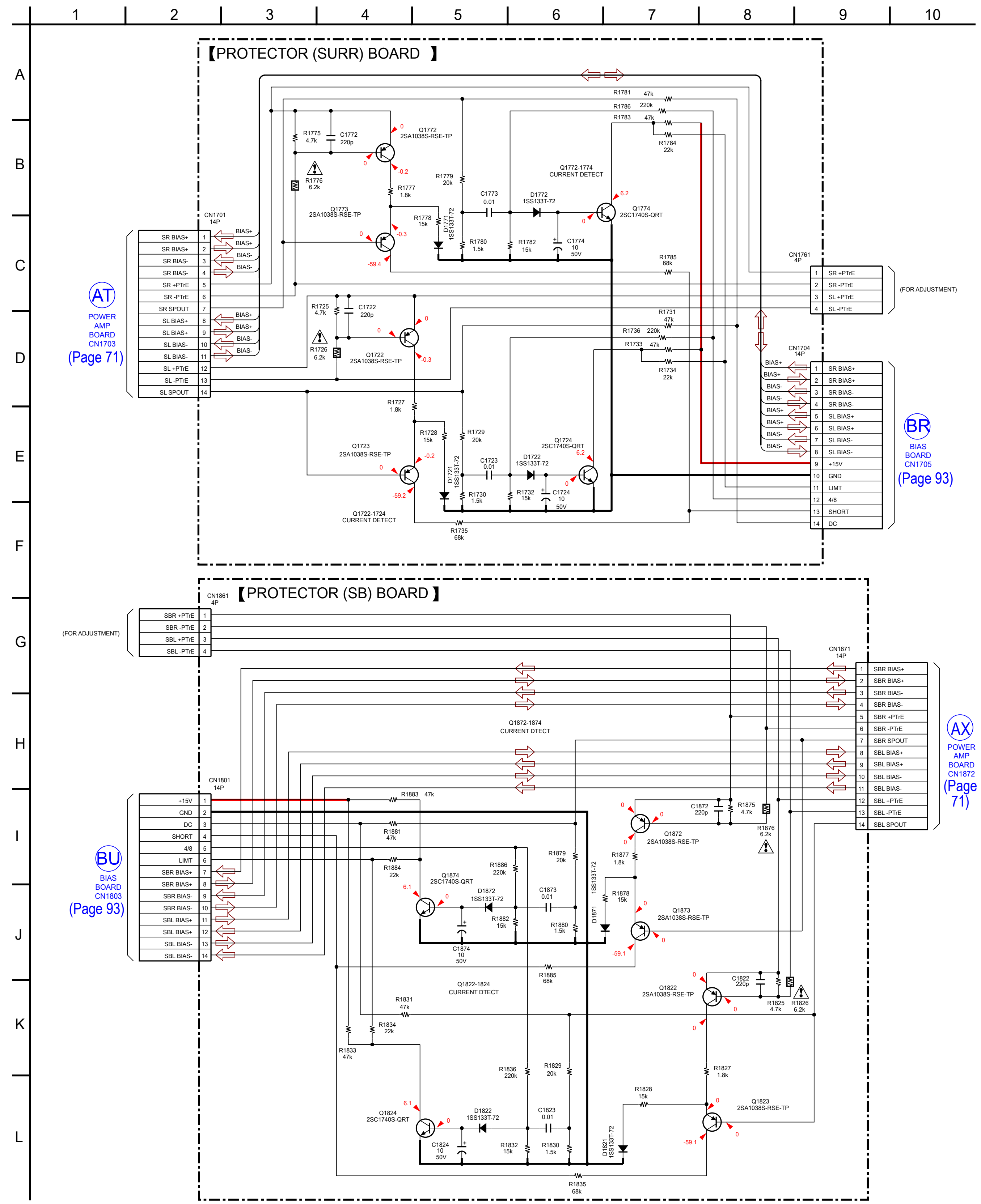
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



• **Semiconductor Location**

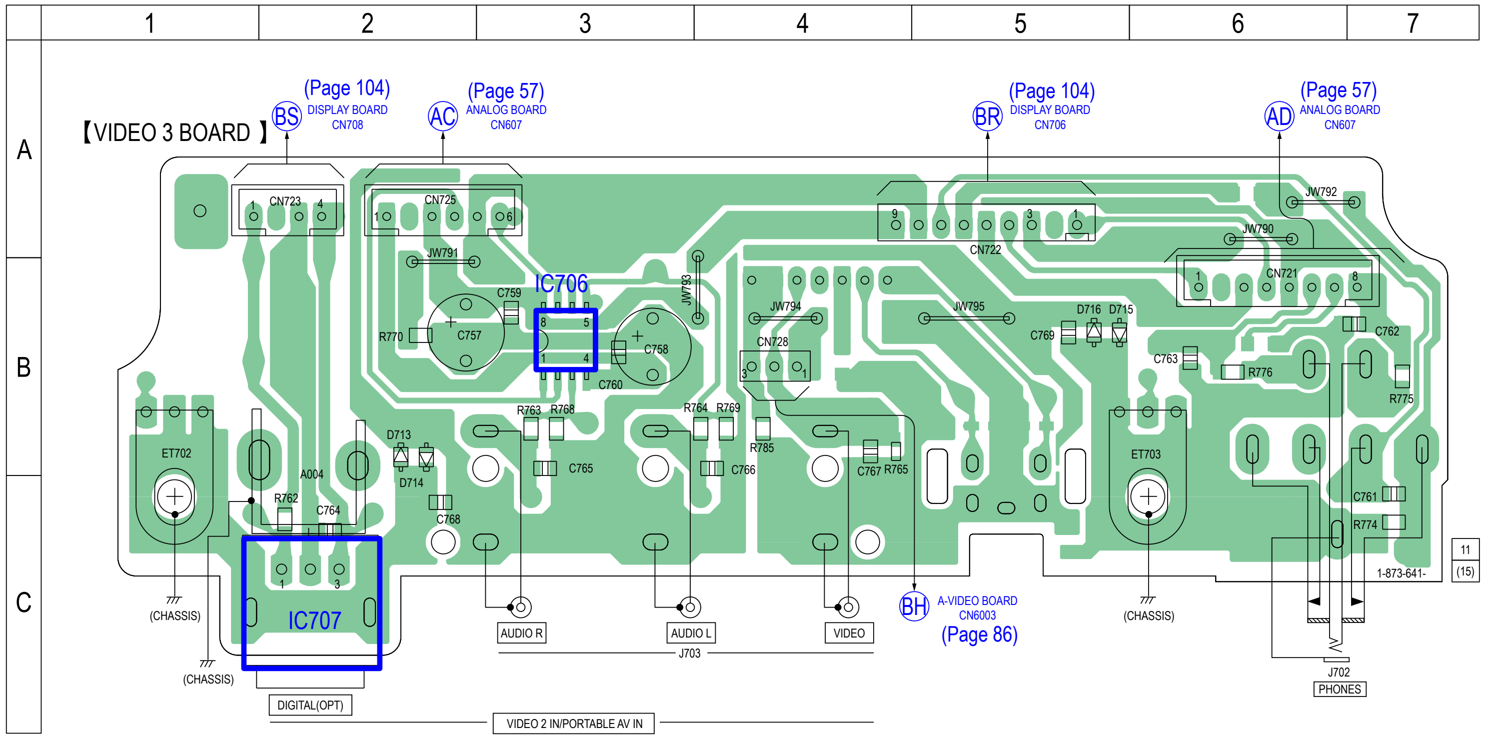
Ref. No.	Location
D1721	B-4
D1722	B-3
D1771	B-4
D1772	B-3
D1821	E-2
D1822	E-3
D1871	E-2
D1872	E-3
Q1722	A-3
Q1723	A-3
Q1724	B-3
Q1772	B-3
Q1773	B-3
Q1774	B-3
Q1822	E-3
Q1823	E-3
Q1824	E-3
Q1872	D-3
Q1873	D-3
Q1874	D-3

6-70. SCHEMATIC DIAGRAM - PROTECTOR (SB/SURR) Section -



6-71. PRINTED WIRING BOARD - VIDEO 3 Board -

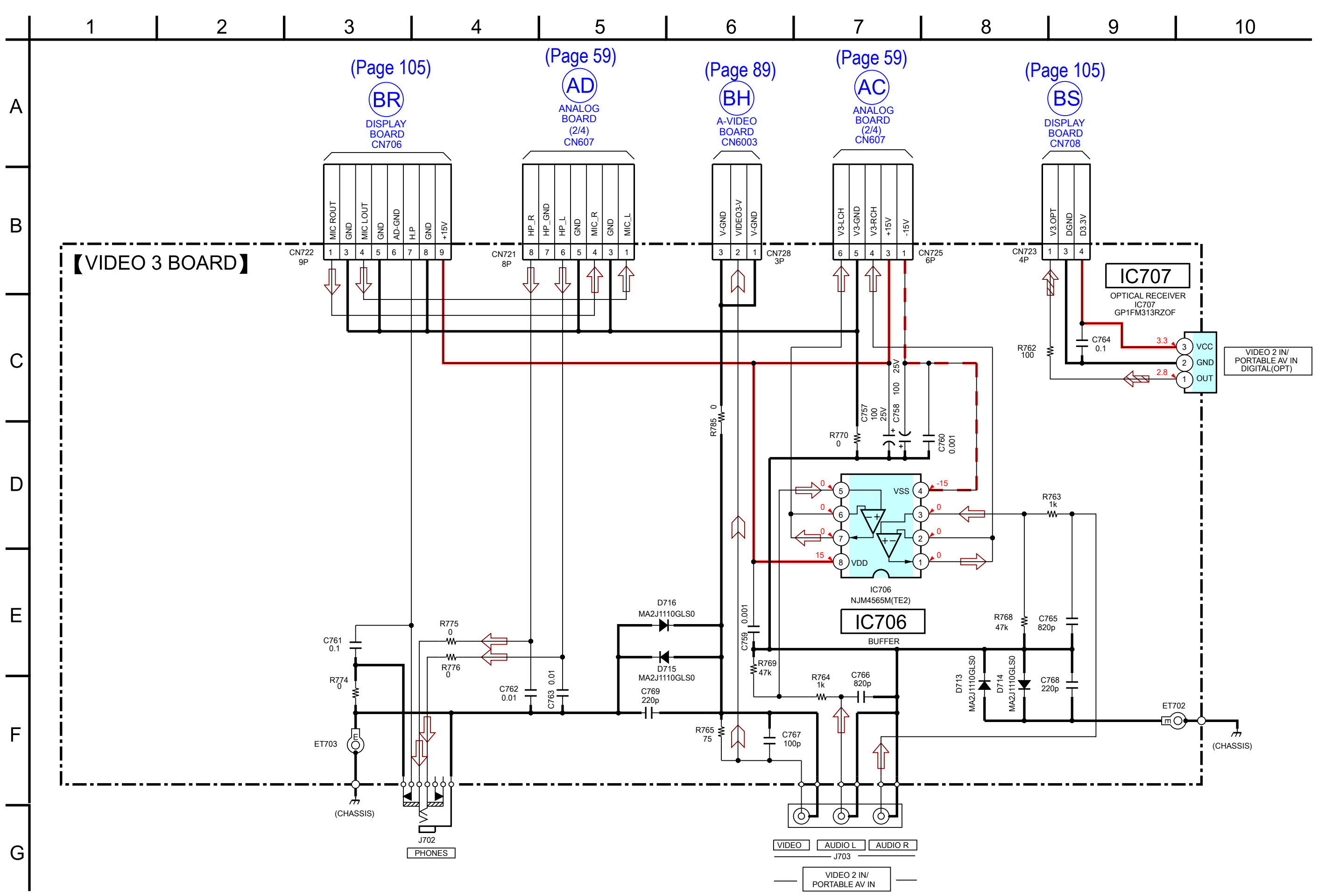
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



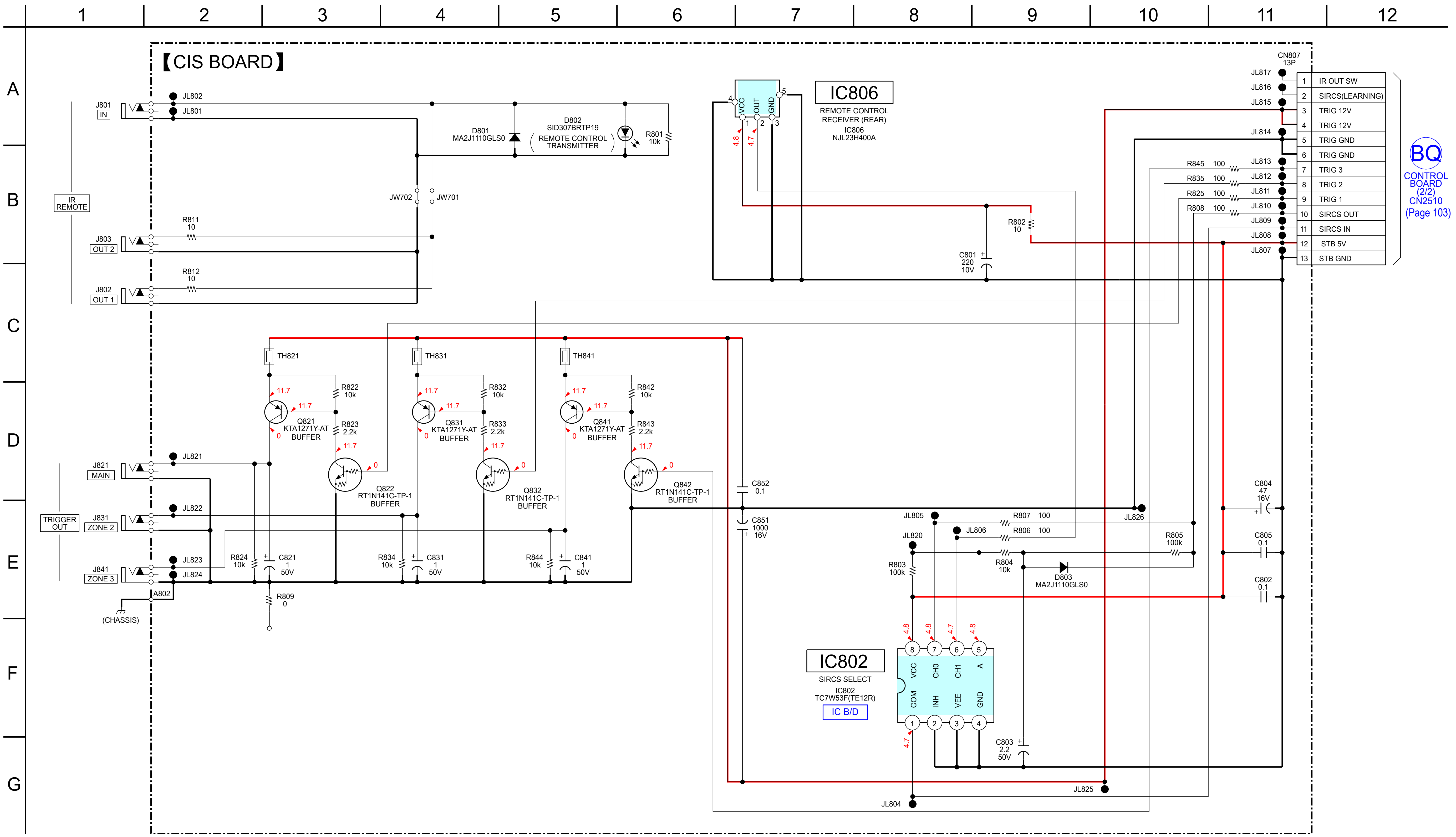
• Semiconductor Location

Ref. No.	Location
D713	B-2
D714	B-2
D715	B-5
D716	B-5
IC706	B-3
IC707	C-2

6-72. SCHEMATIC DIAGRAM - VIDEO 3 Board -

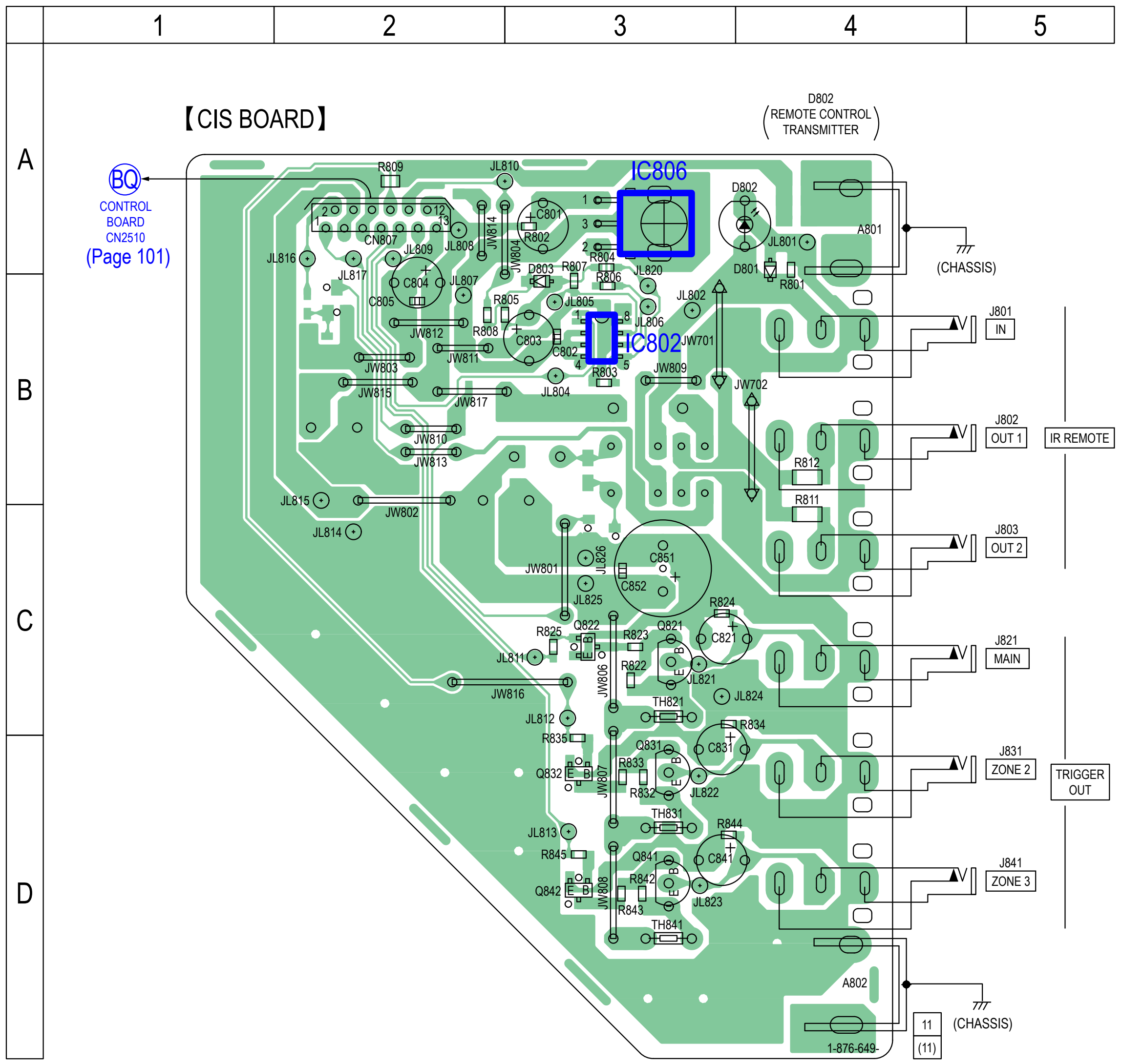


6-73. SCHEMATIC DIAGRAM - CIS Board -



6-74. PRINTED WIRING BOARD - CIS Board -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

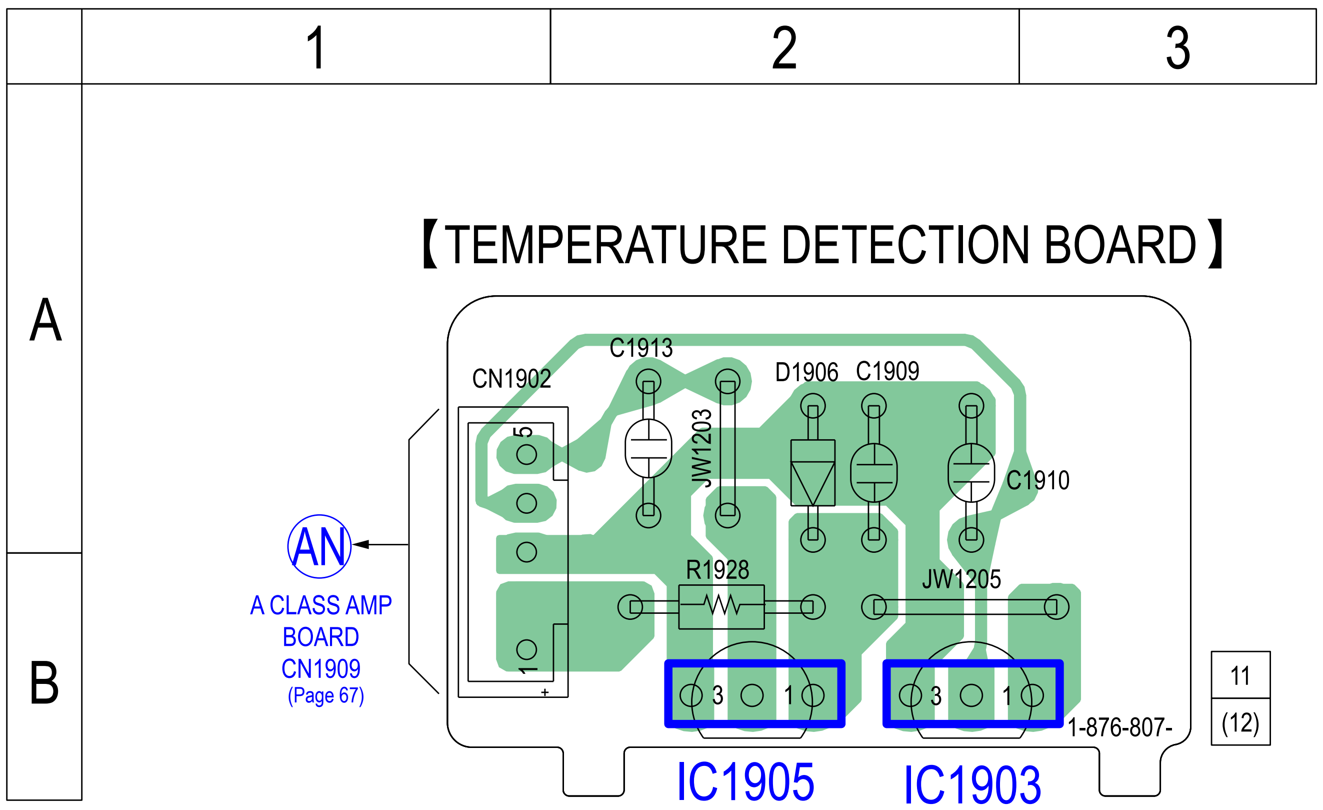


• **Semiconductor Location**

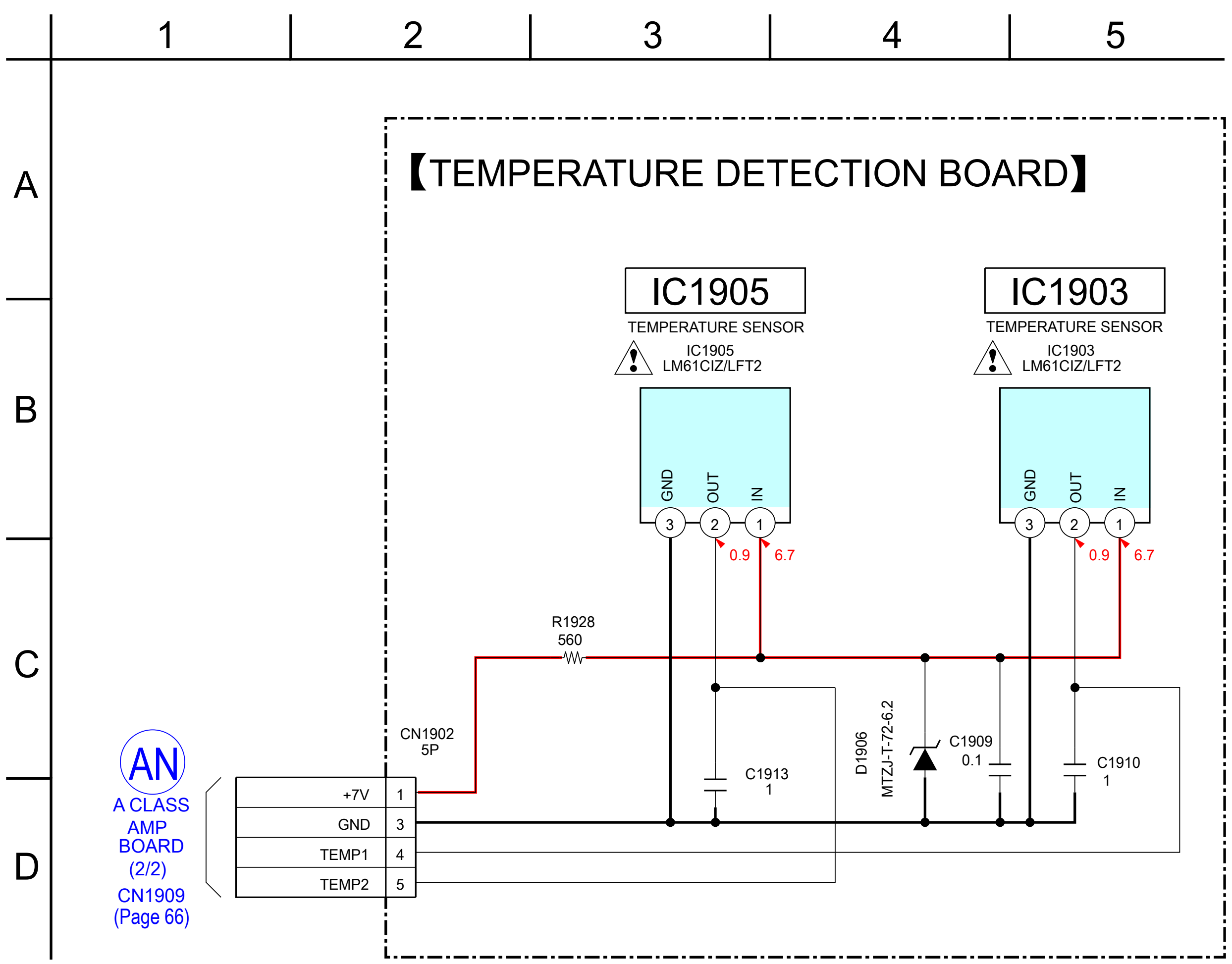
Ref. No.	Location
D801	A-4
D802	A-4
D803	B-3
IC802	B-3
IC806	A-3
Q821	C-3
Q822	C-3
Q831	D-3
Q832	D-3
Q841	D-3
Q842	D-3

6-75. PRINTED WIRING BOARD - TEMPERATURE DETECTION Board -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



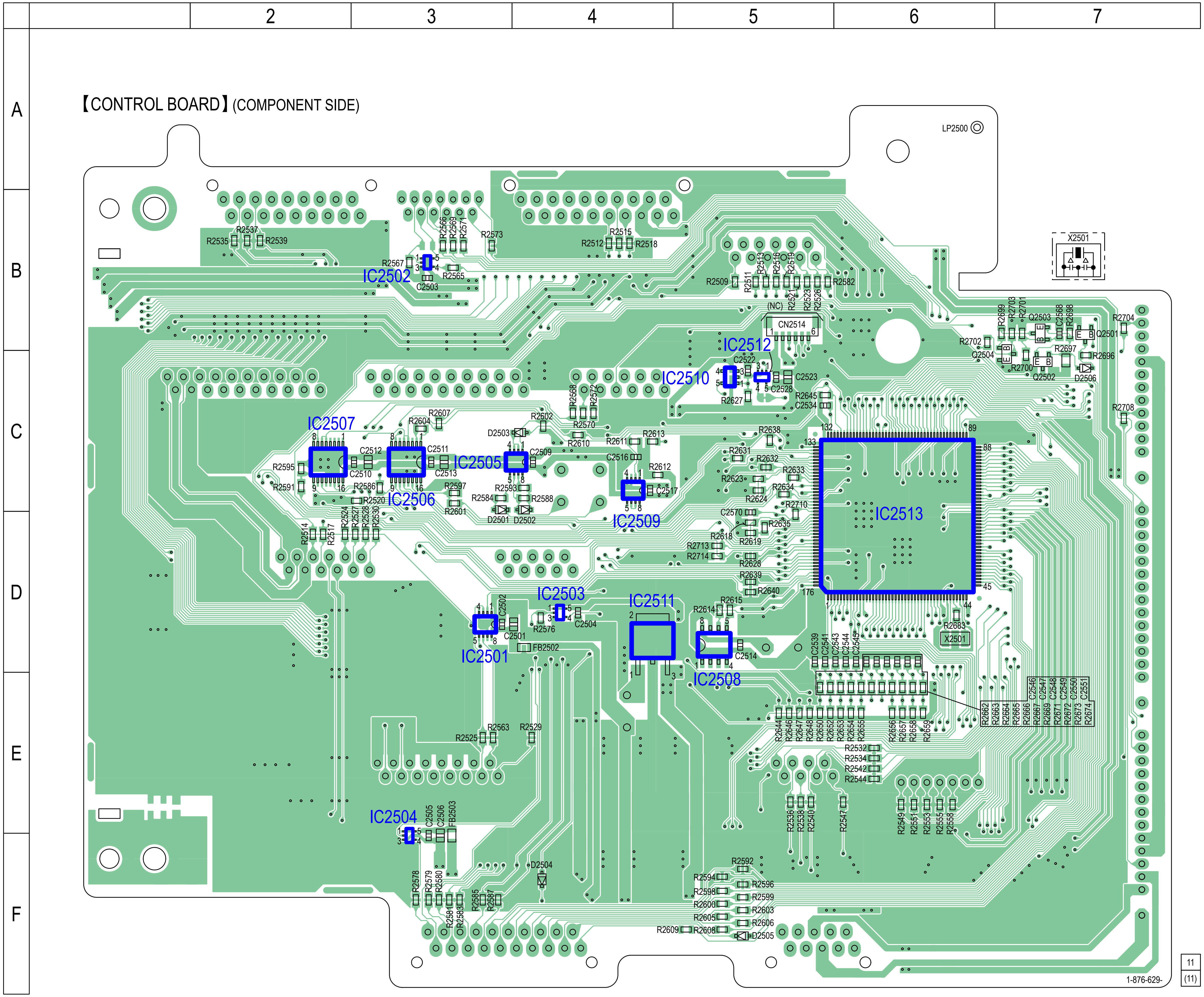
6-76. SCHEMATIC DIAGRAM - TEMPERATURE DETECTION Board -



6-77. PRINTED WIRING BOARD - CONTROL Board (Component Side) - • See page 39 for Circuit Boards Location. • : Uses unleaded solder.

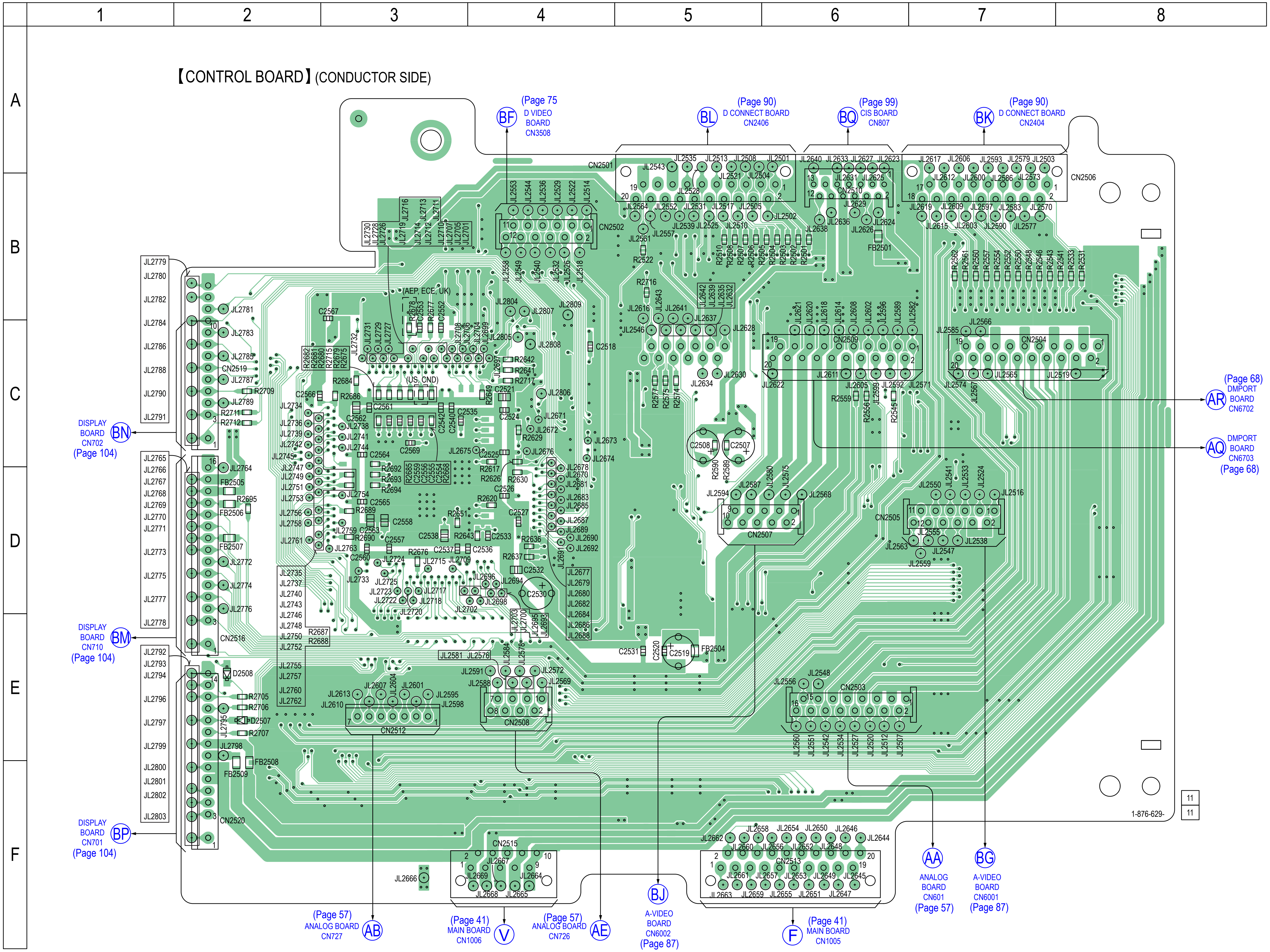
• **Semiconductor Location**

Ref. No.	Location
D2501	C-3
D2502	C-4
D2503	C-4
D2504	F-4
D2505	F-5
D2506	C-7
IC2501	D-3
IC2502	B-3
IC2503	D-4
IC2504	F-3
IC2505	C-4
IC2506	C-3
IC2507	C-2
IC2508	D-5
IC2509	C-4
IC2510	C-5
IC2511	D-4
IC2512	C-5
IC2513	D-6
Q2501	B-7
Q2502	C-7
Q2503	B-7
Q2504	C-7



6-78. PRINTED WIRING BOARD - CONTROL Board (Conductor Side) -

• See page 39 for Circuit Boards Location. • LF : Uses unleaded solder.

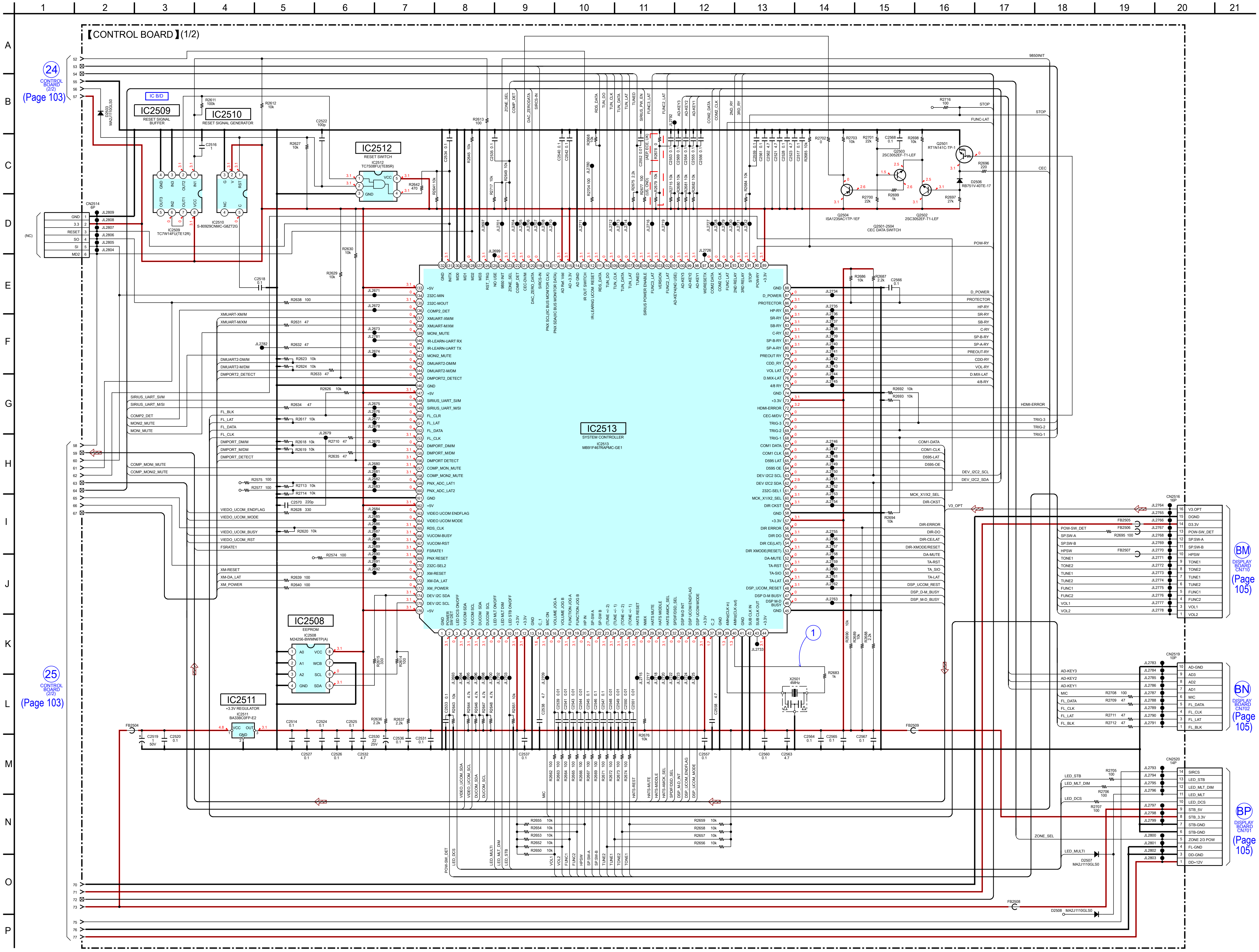


• Semiconductor Location

Ref. No.	Location
D2507	E-2
D2508	E-2

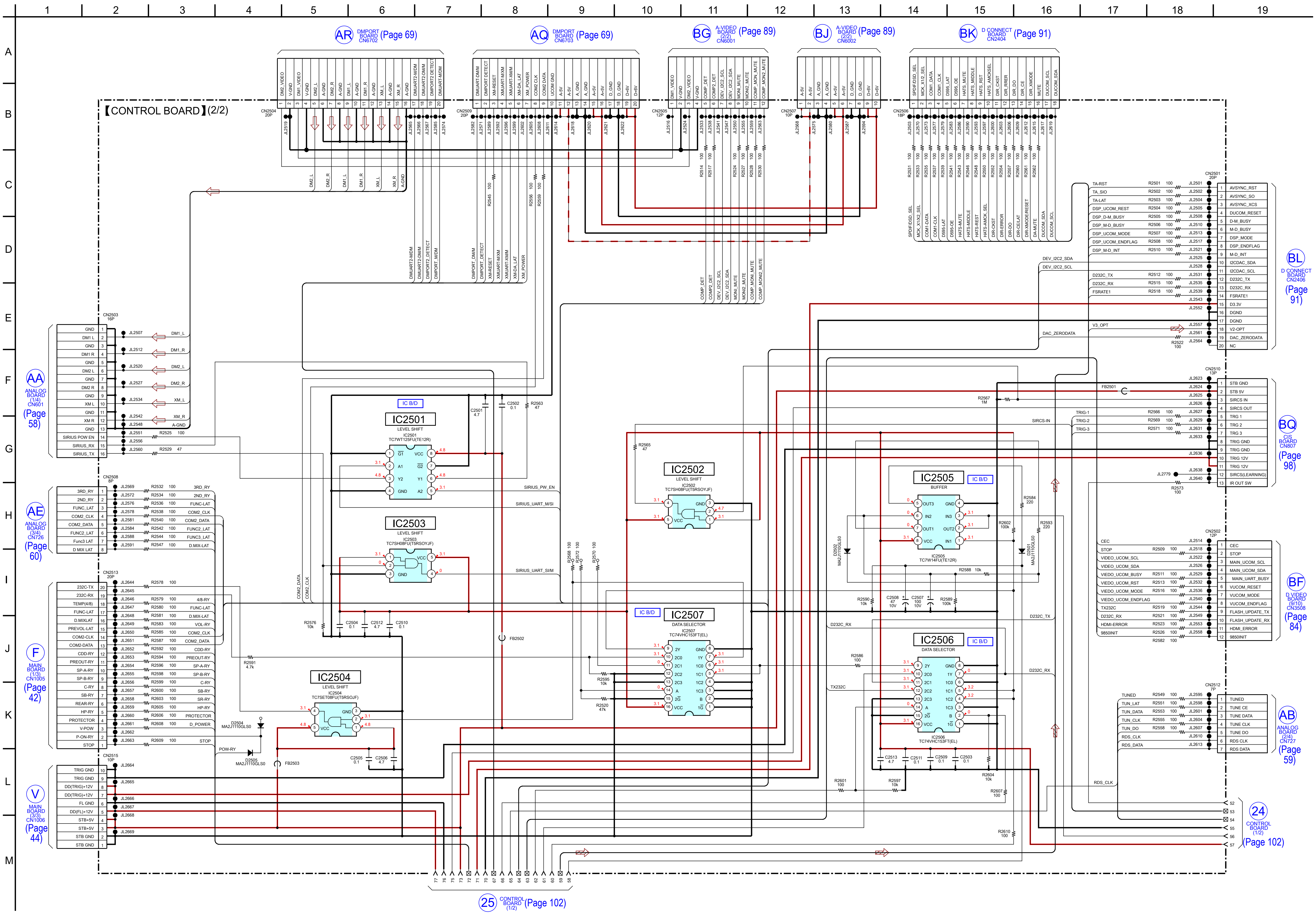
6-79. SCHEMATIC DIAGRAM - CONTROL Board (1/2) -

• See page 107 for waveforms. • See page 112 for IC Block Diagrams. • See page 127 for IC Pin Function Description.



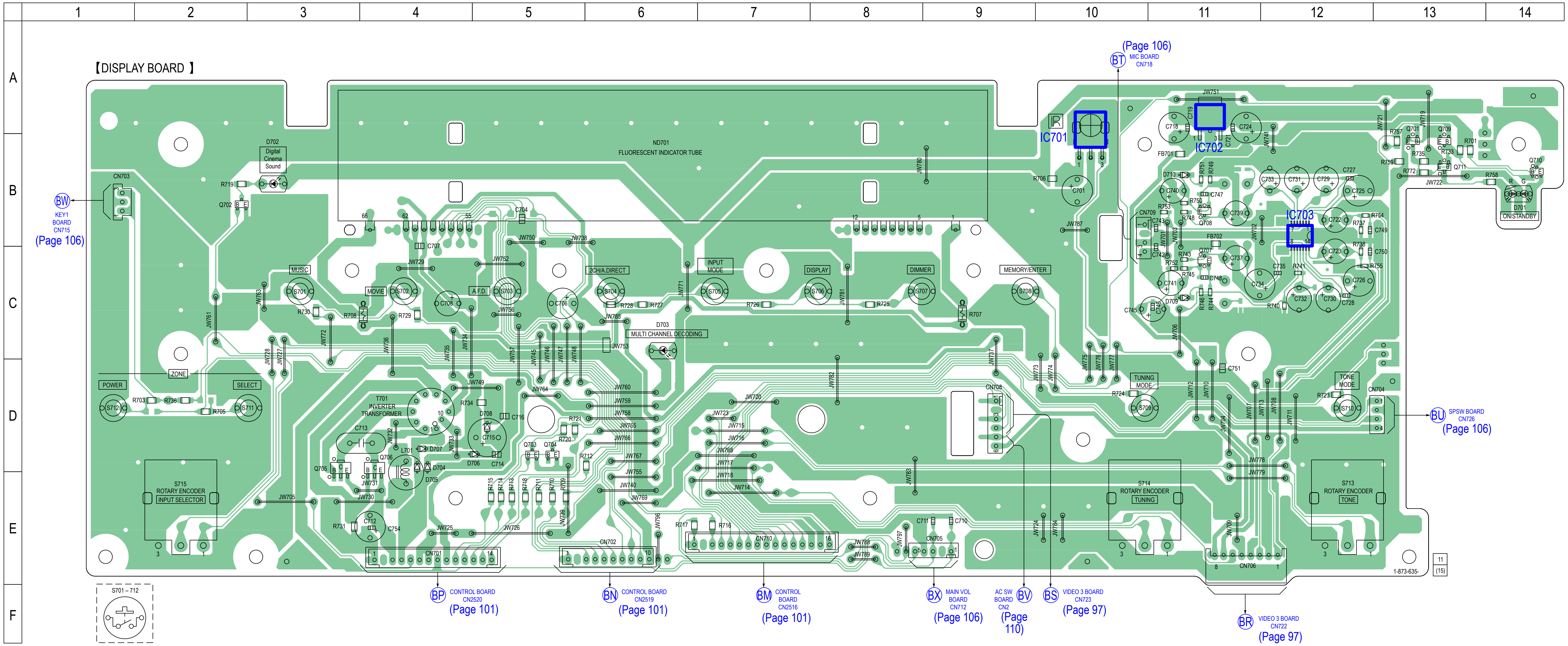
6-80. SCHEMATIC DIAGRAM - CONTROL Board (2/2) -

• See page 112 for IC Block Diagrams.



6-81. PRINTED WIRING BOARD - DISPLAY Board -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

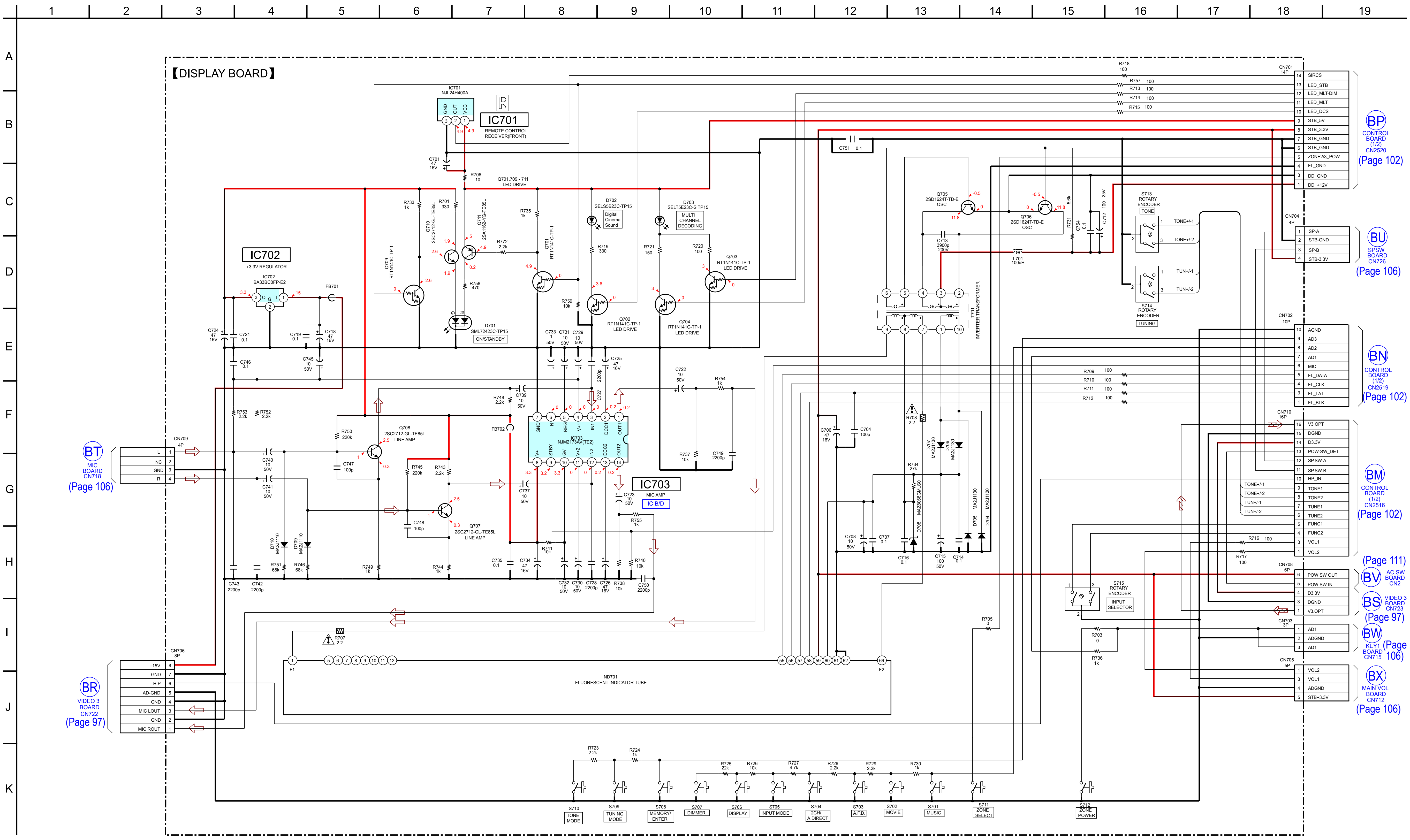


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D701	B-14	IC703	B-12
D702	B-3		
D703	C-6	Q701	B-13
D704	D-4	Q702	B-2
D705	D-4	Q703	D-5
D706	D-5	Q704	D-5
D707	D-4	Q705	D-3
D708	D-5	Q706	D-4
D709	C-11	Q707	C-11
D710	B-11	Q708	B-11
		Q709	B-13
IC701	B-10	Q710	B-14
IC702	B-11	Q711	B-13

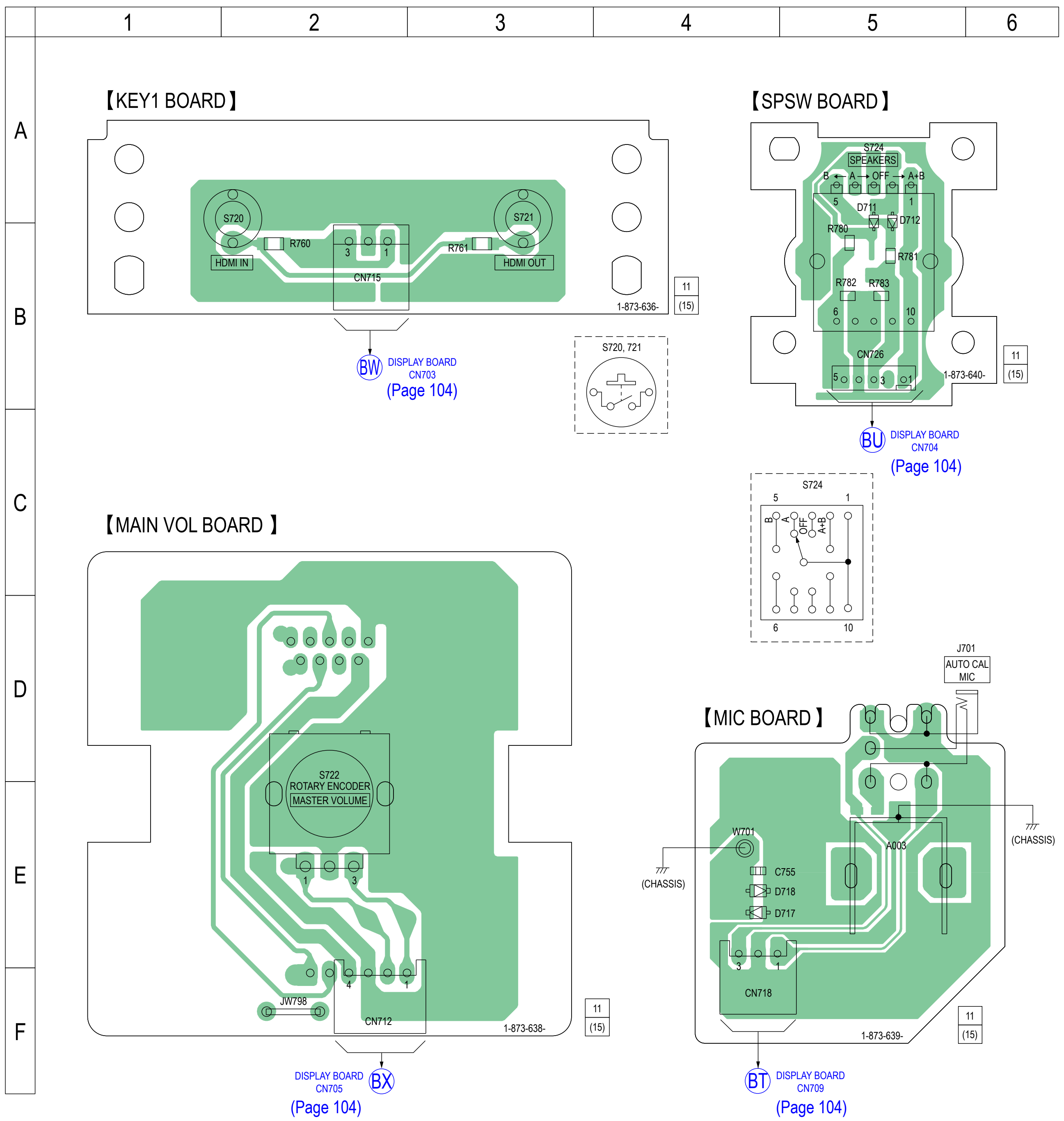
6-82. SCHEMATIC DIAGRAM - DISPLAY Board -

• See page 112 for IC Block Diagrams.

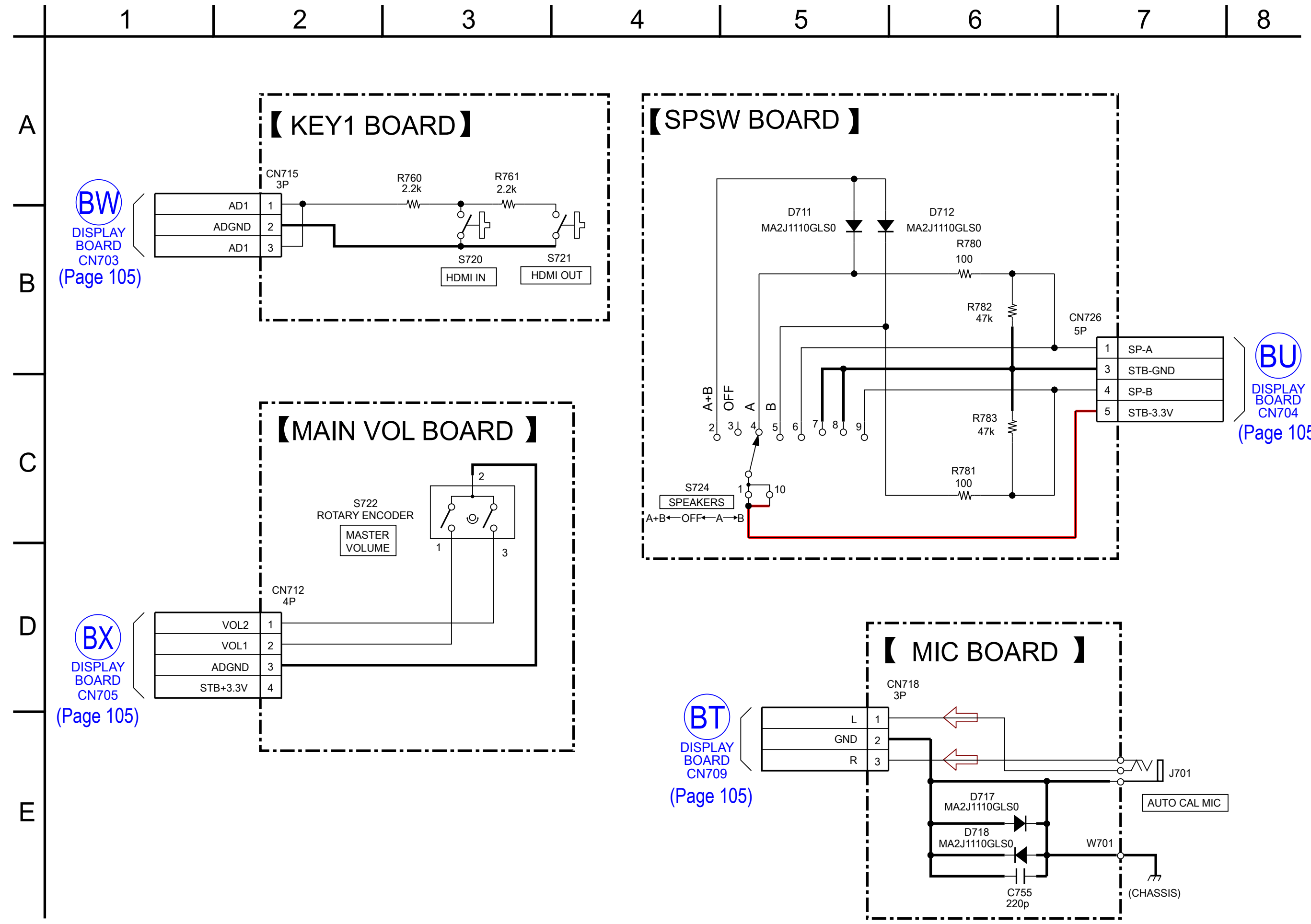


6-83. PRINTED WIRING BOARDS - PANEL Section -

• See page 39 for Circuit Boards Location. • : Uses unleaded solder.



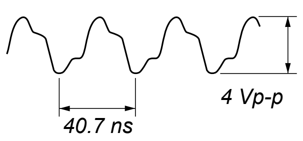
6-84. SCHEMATIC DIAGRAM - PANEL Section -



• **Waveforms**

– DIGITAL Board –

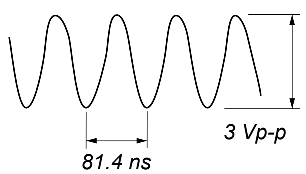
(41) IC2208 (28) (XOUT)



1 V/DIV, 20 ns/DIV

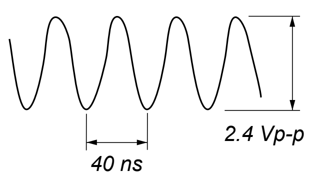
– DSP Board –

(61) IC5002 (A2) (XTAL)



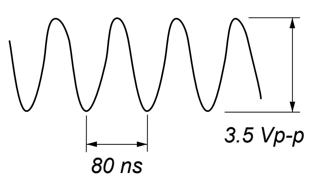
1 V/DIV, 50 ns/DIV

(62) IC5202 (A2) (XTAL)



1 V/DIV, 20 ns/DIV

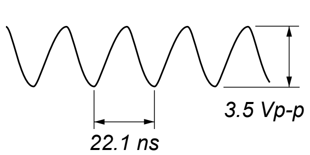
(63) IC5208 (57) (XOUT)



1 V/DIV, 50 ns/DIV

– DMPORT Board –

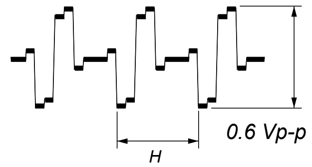
(51) IC6801 (26) (OSCOUT)



1 V/DIV, 20 ns/DIV

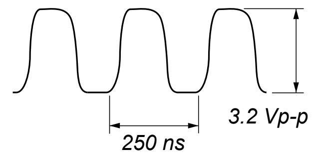
– D VIDEO Board –

(31) IC3855 (37) (CR/B) (Color bar)



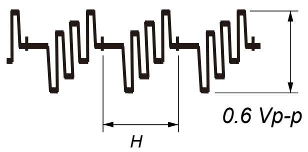
200 mV/DIV, 20 µs/DIV

(37) IC3610 (40) (X1)



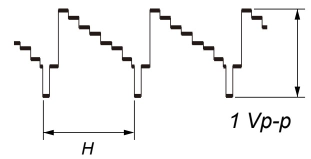
1 V/DIV, 100 ns/DIV

(32) IC3855 (38) (CB/R) (Color bar)



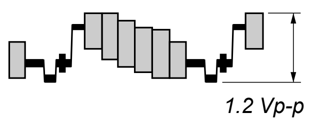
200 mV/DIV, 20 µs/DIV

(33) IC3855 (39) (Y/G) (Color bar)



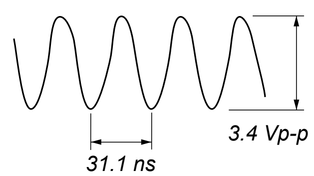
500 mV/DIV, 20 µs/DIV

(34) IC3855 (44) (V) (Color bar)



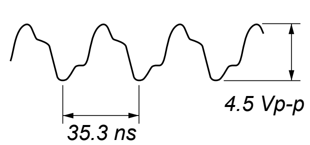
500 mV/DIV, 20 µs/DIV

(35) IC3604 (142) (XOUT)



1 V/DIV, 20 ns/DIV

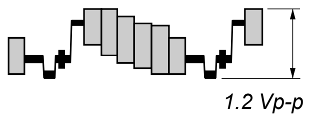
(36) IC3511 (94) (XTALOUT)



1 V/DIV, 20 ns/DIV

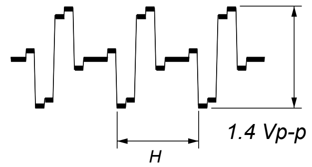
– A-VIDEO Board –

(11) IC6002 (1) (VIN3) (Color bar)



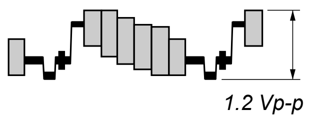
500 mV/DIV, 20 µs/DIV

(17) IC6001 (20) (CH3OUT) (Color bar)



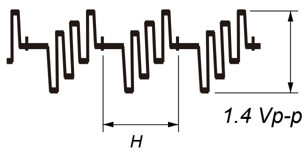
500 mV/DIV, 20 µs/DIV

(12) IC6002 (3) (VIN2) (Color bar)



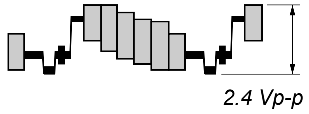
500 mV/DIV, 20 µs/DIV

(18) IC6001 (22) (CH2OUT) (Color bar)



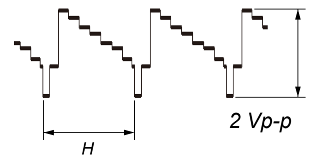
500 mV/DIV, 20 µs/DIV

(13) IC6002 (5) (VOUT2) (Color bar)



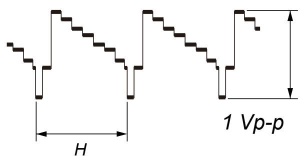
1 V/DIV, 20 µs/DIV

(19) IC6001 (24) (CH1OUT) (Color bar)



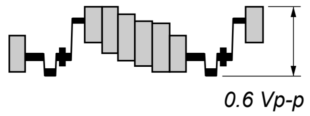
1 V/DIV, 20 µs/DIV

(14) IC6001 (3) (CH1IN2) (Color bar)



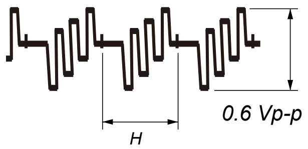
500 mV/DIV, 20 µs/DIV

(20) IC6007 (2) (CV-1) (Color bar)



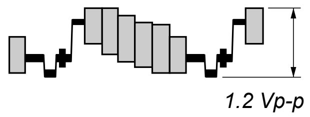
500 mV/DIV, 20 µs/DIV

(15) IC6001 (10) (CH2IN2) (Color bar)



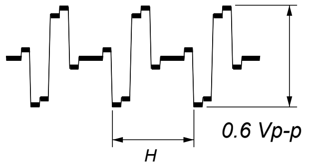
200 mV/DIV, 20 µs/DIV

(21) IC6007 (53) (CV-OUT1) (Color bar)



500 mV/DIV, 20 µs/DIV

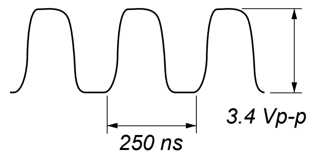
(16) IC6001 (15) (CH3IN2) (Color bar)



200 mV/DIV, 20 µs/DIV

– CONTROL Board –

(1) IC2513 (40) (4MHz(CLK out))



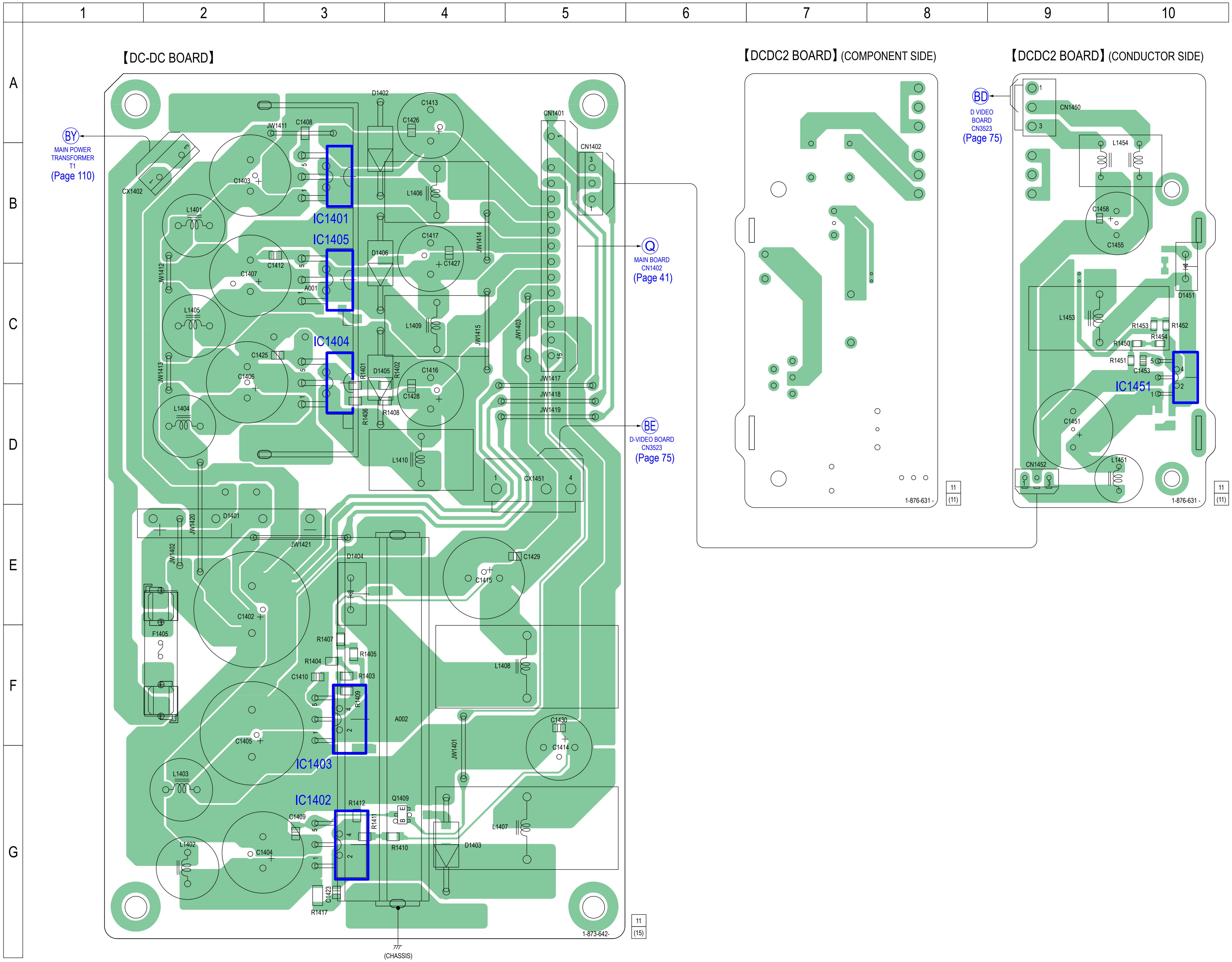
1 V/DIV, 100 ns/DIV

6-85. PRINTED WIRING BOARDS - DCDC Section -

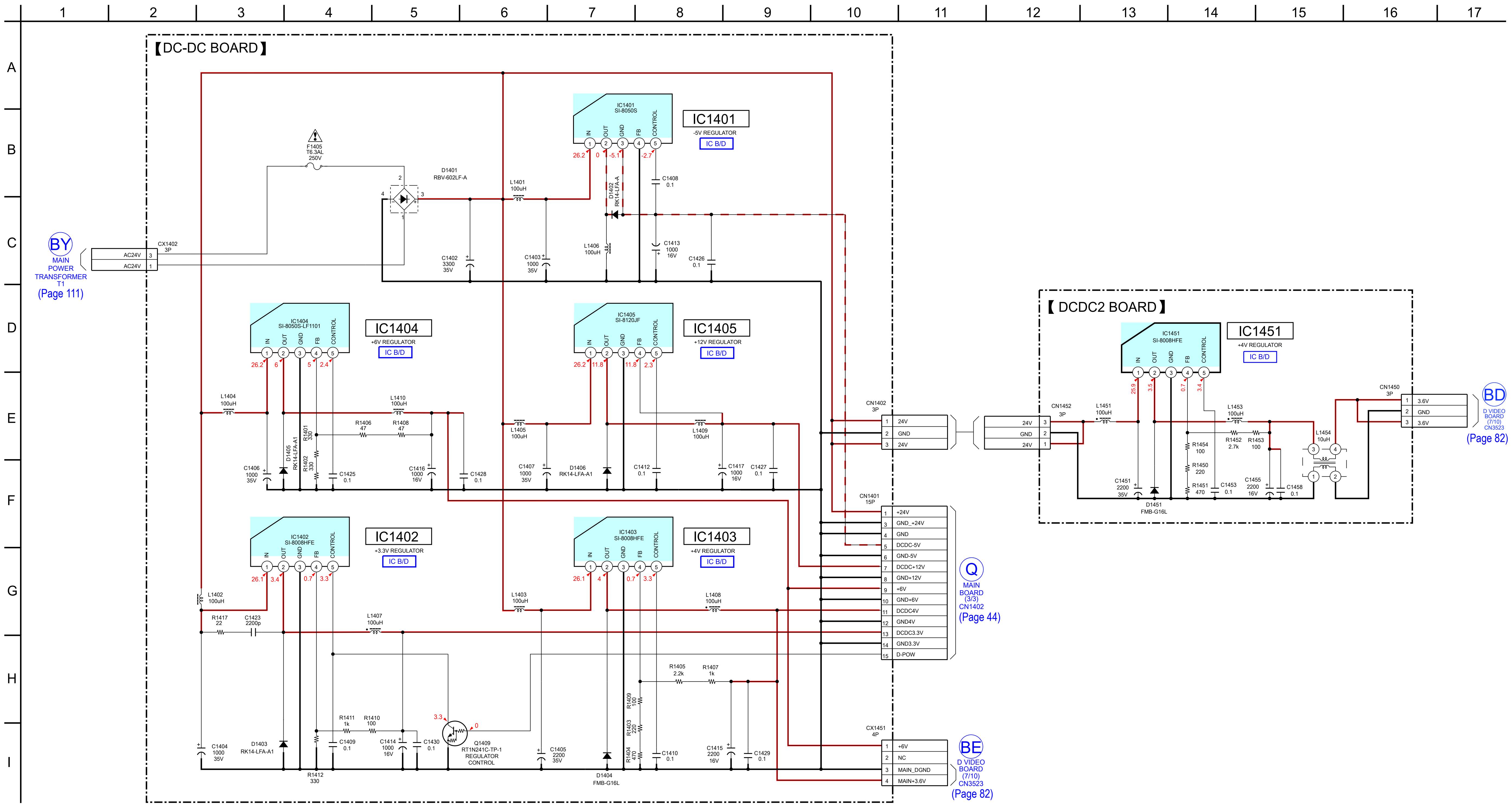
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

• Semiconductor Location

Ref. No.	Location
D1401	E-2
D1402	B-3
D1403	G-4
D1404	E-3
D1405	C-3
D1406	B-3
D1451	C-10
IC1401	B-3
IC1402	G-3
IC1403	F-3
IC1404	C-3
IC1405	C-3
IC1451	C-10
Q1409	G-4



6-86. SCHEMATIC DIAGRAM - DCDC Section - • See page 112 for IC Block Diagrams.

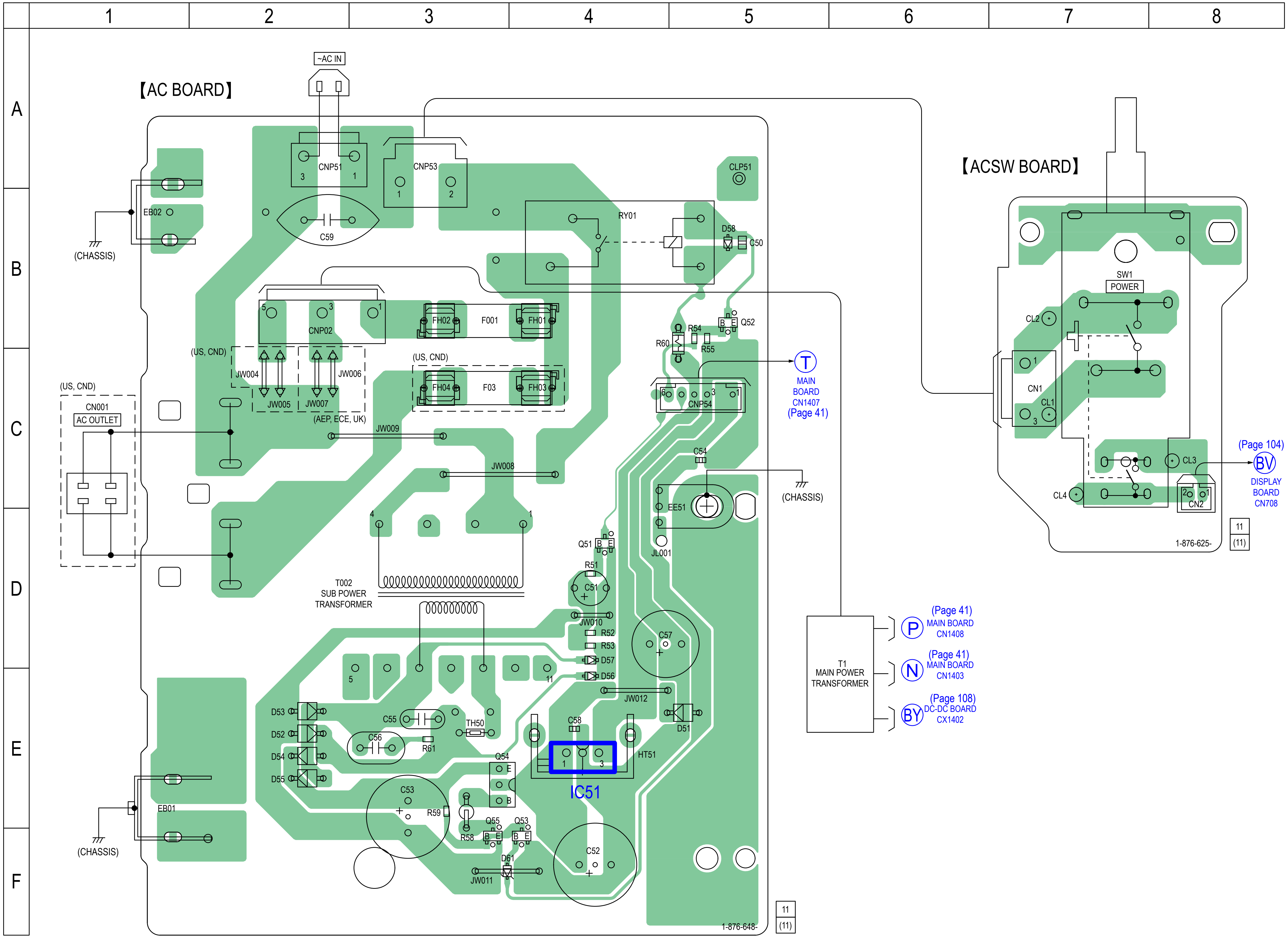


6-87. PRINTED WIRING BOARDS - POWER SUPPLY Section -

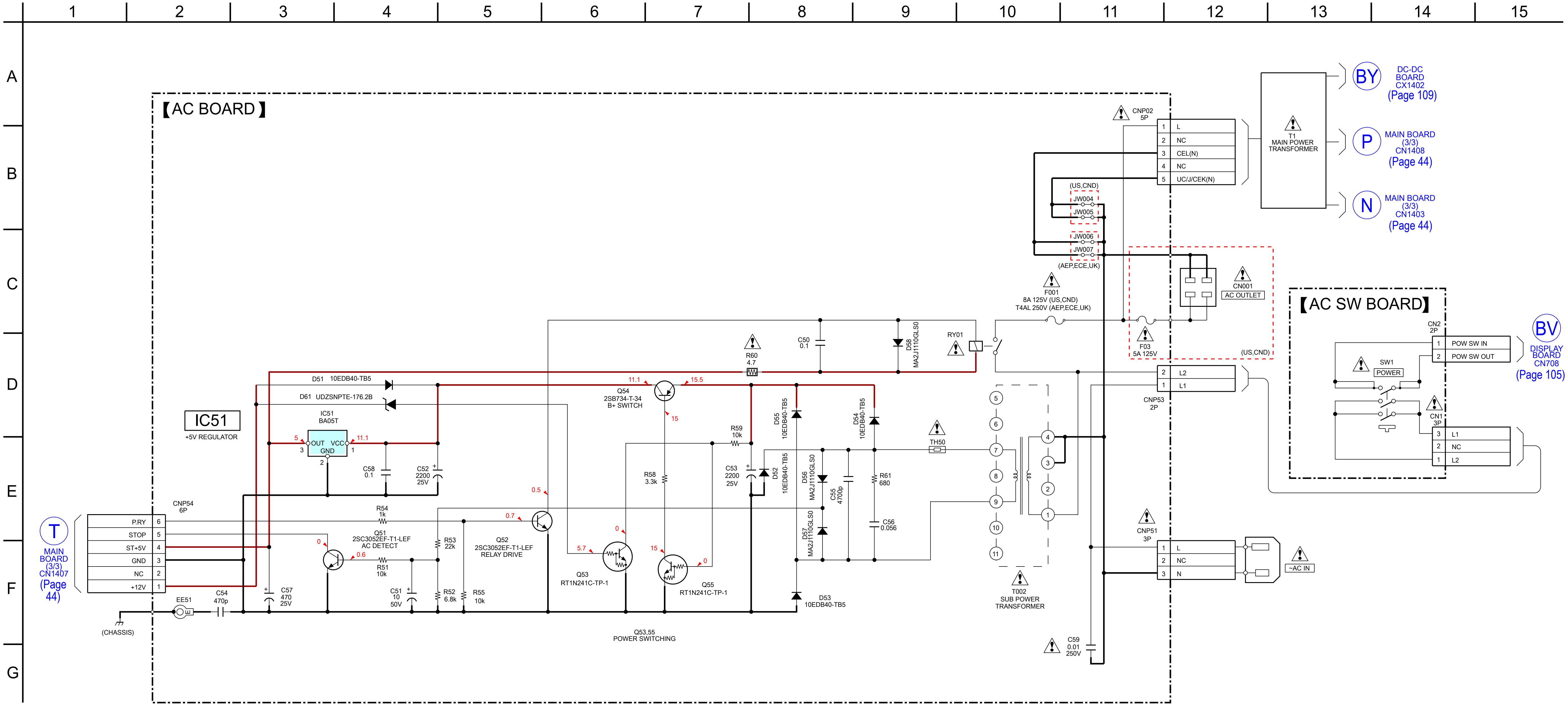
• See page 39 for Circuit Boards Location. • : Uses unleaded solder.

• **Semiconductor Location**

Ref. No.	Location
D51	E-5
D52	E-2
D53	E-2
D54	E-2
D55	E-2
D56	E-4
D57	D-4
D58	B-5
D61	F-3
IC51	E-4
Q51	D-4
Q52	B-5
Q53	F-4
Q54	E-3
Q55	F-3



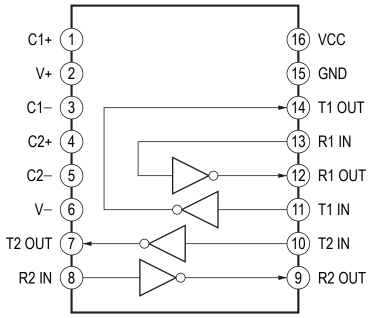
6-88. SCHEMATIC DIAGRAM - POWER SUPPLY Section -



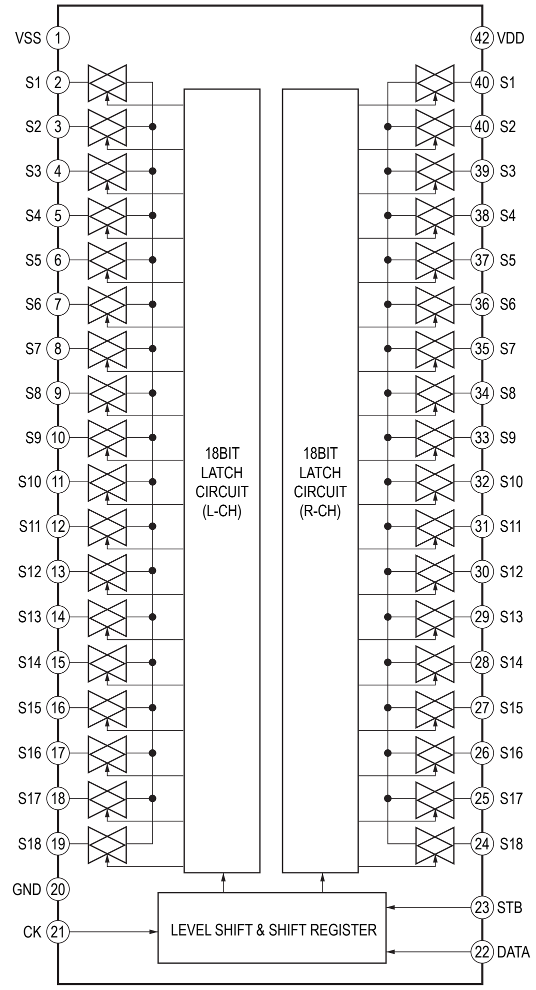
• **IC Block Diagrams**

– MAIN Board –

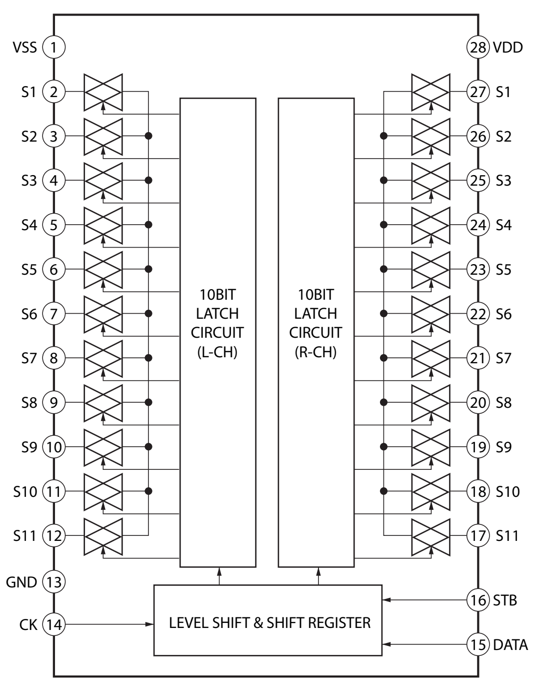
IC1499 MAX232DR



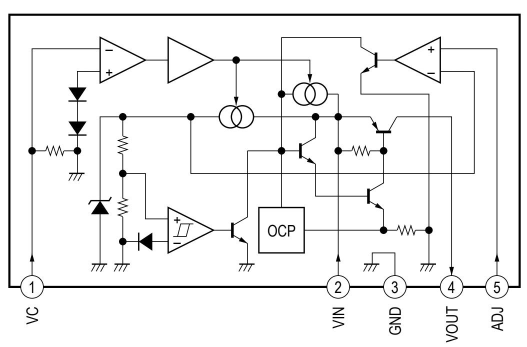
IC2090 TC9274CNG-016



IC2390 TC9273CFG-012 (EL)

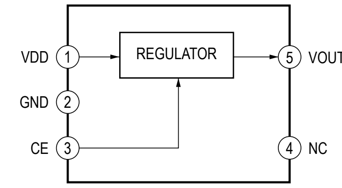


IC2494 SI-3011ZD-TL

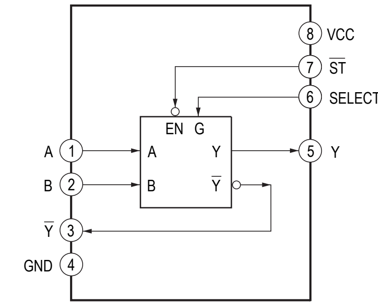


– DIGITAL Board –

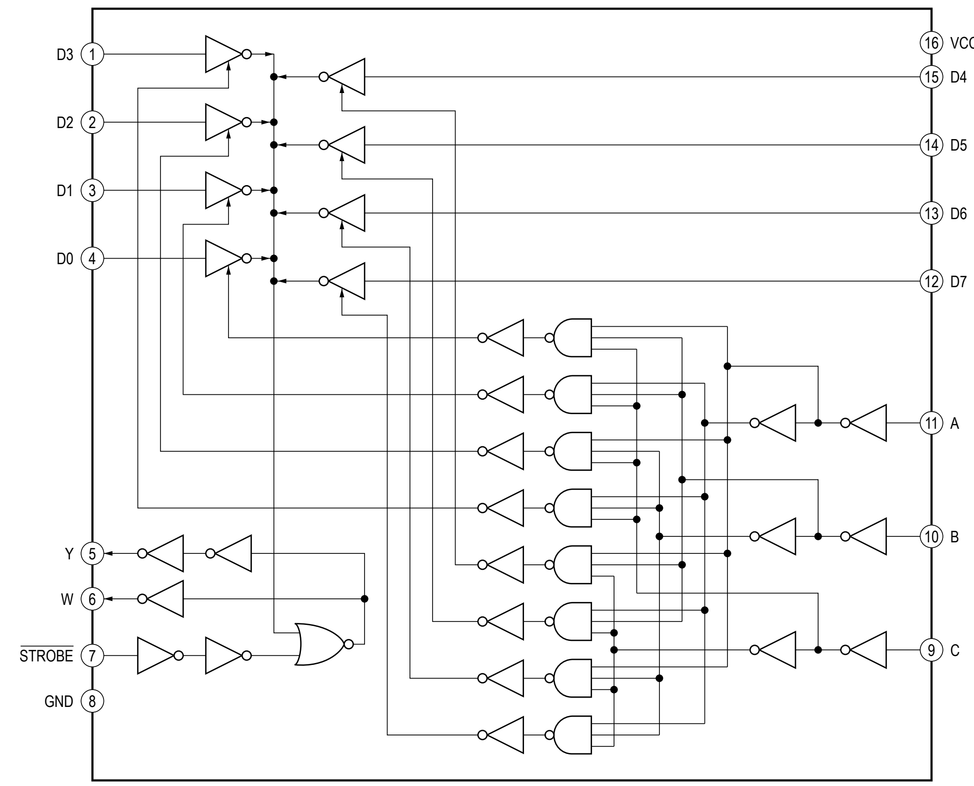
IC2001 MM3291CNRE



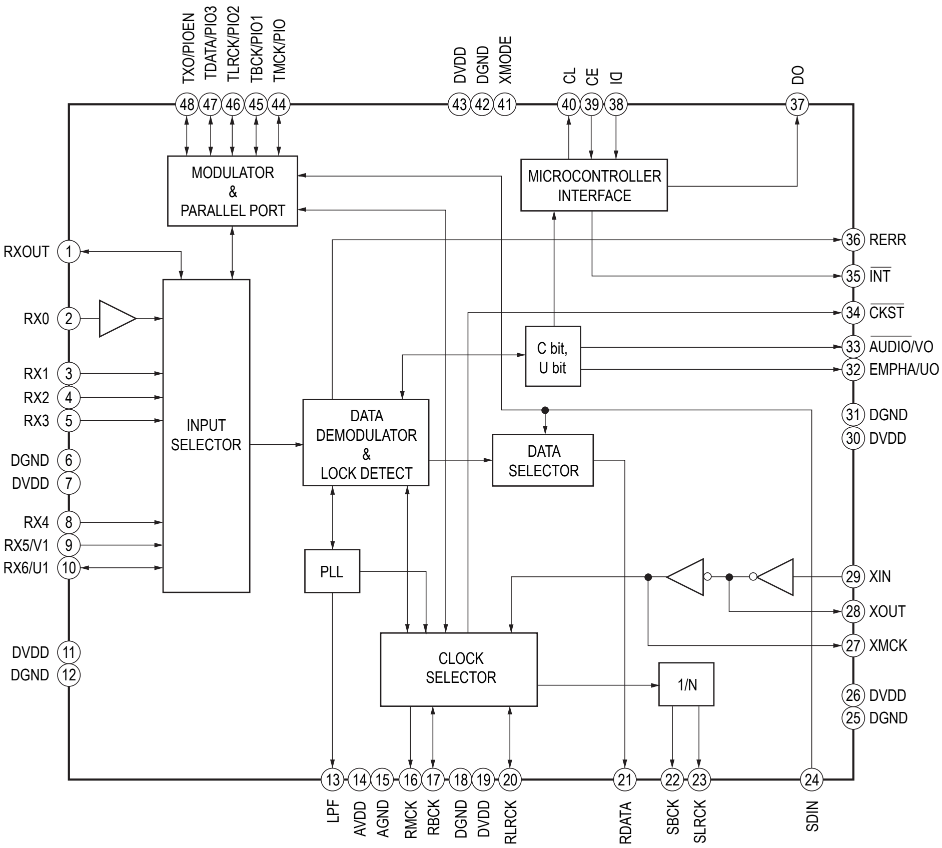
IC2005 TC7WH157FU (TE12R)



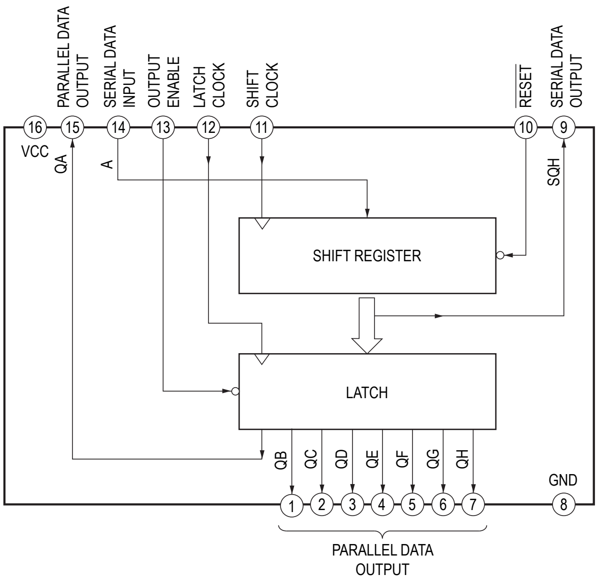
IC2207 TC74ACT151F (EL)



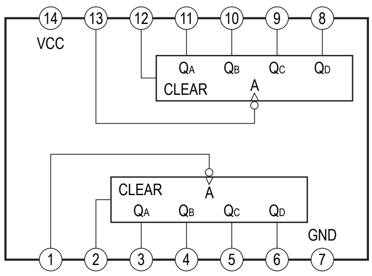
IC2208 LC89057W-VF4A-E



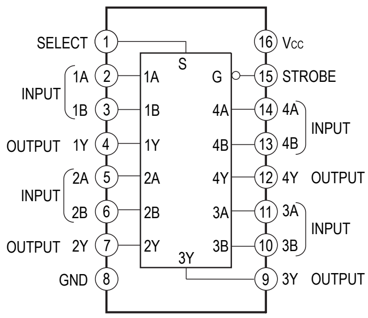
IC2210 TC74VHC595FT (EL)



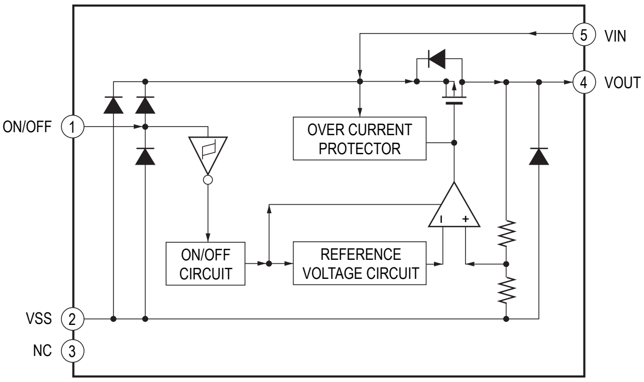
IC2211 TC74VHC393FT (EL)



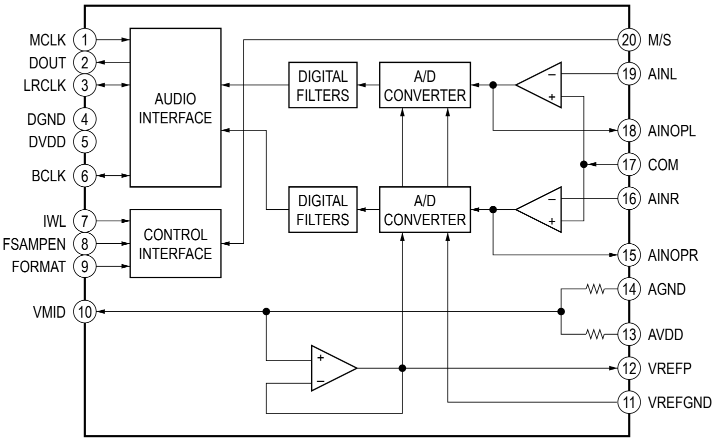
IC2212 – 2214, 2228 TC74VHC157FT (EKJ)



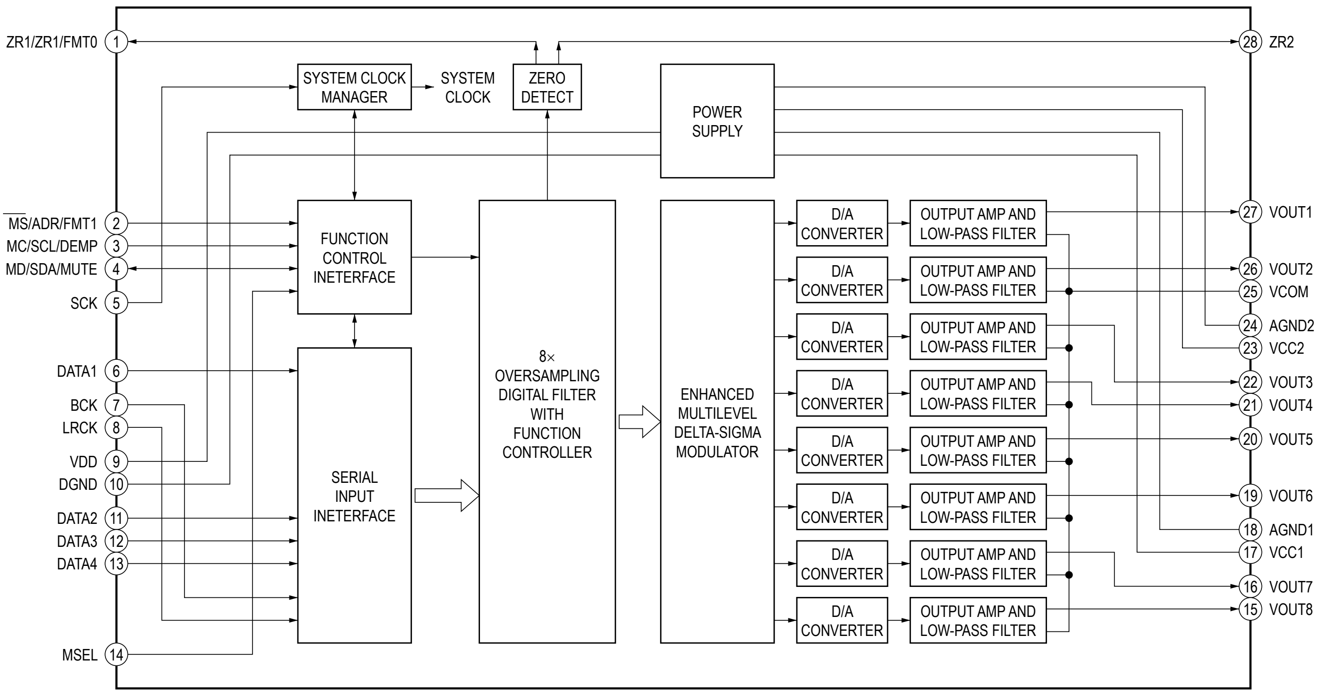
IC2215 S-T111B33MC-OGSTFG



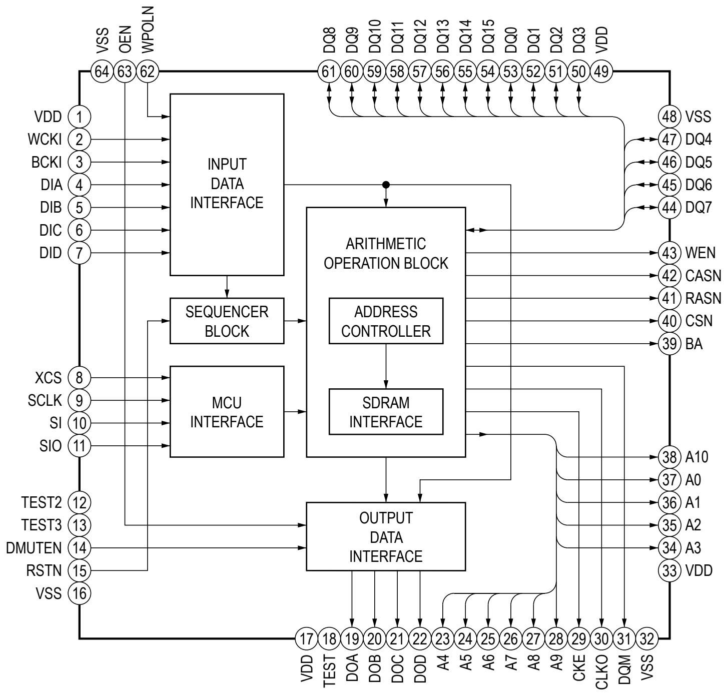
IC2217 WM8782SEDS/R



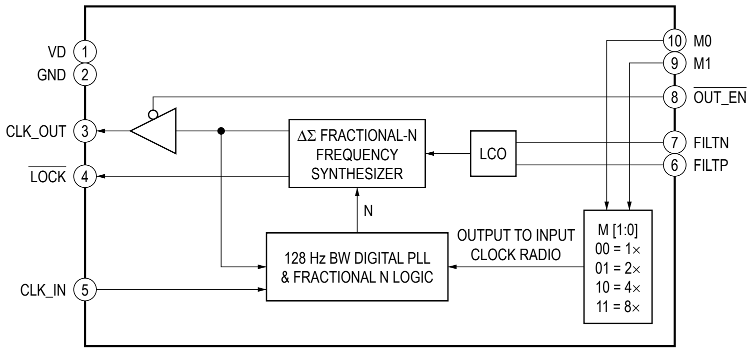
IC2218 PCM1681PWPR



IC2223 SM5921AF-G

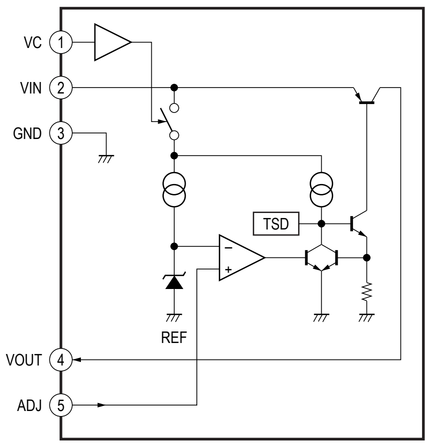


IC2226 CS2300002-CZZR

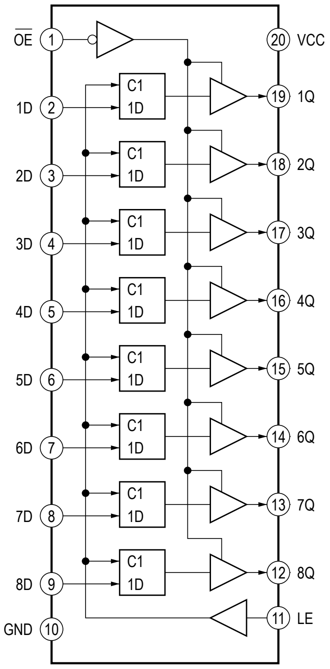


– DSP Board –

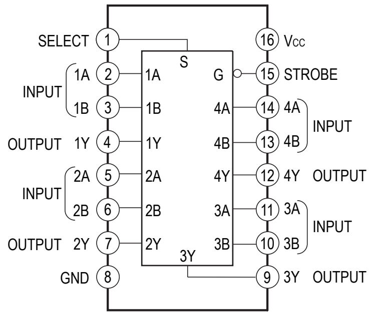
IC5001, 5201 SI-3010KM-TL



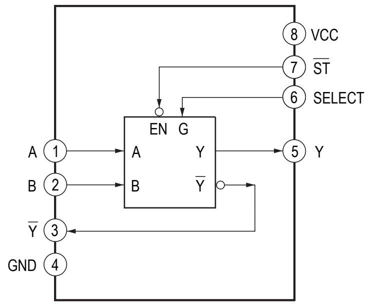
IC5009, 5010, 5209, 5210 SN74LVC573APWR



IC5013 TC74VHC157FT (EKJ)

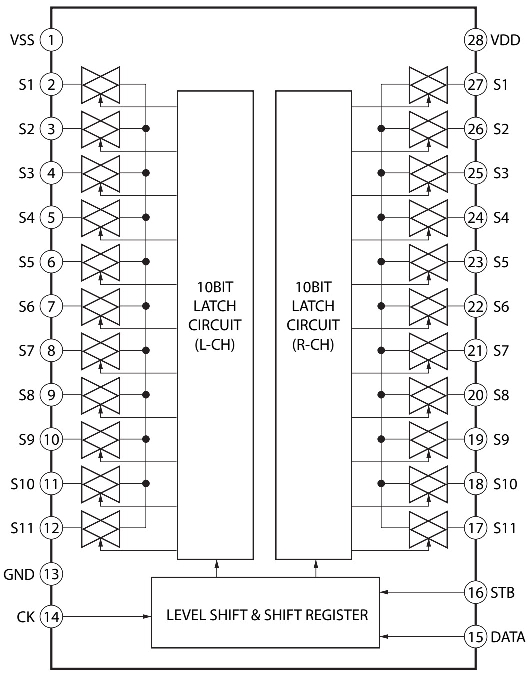


IC5212 TC7WH157FK (TE85R)



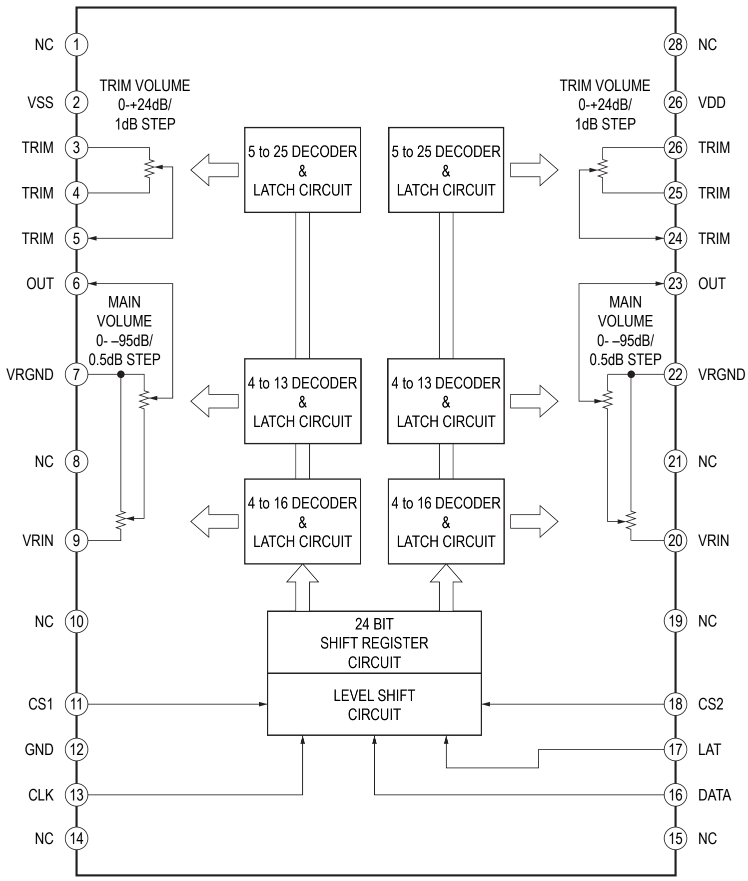
– ANALOG Board –

IC391, 401, 411, 421 TC9273CFG-013
IC392, 402, 412, 422 TC9273CFG-004



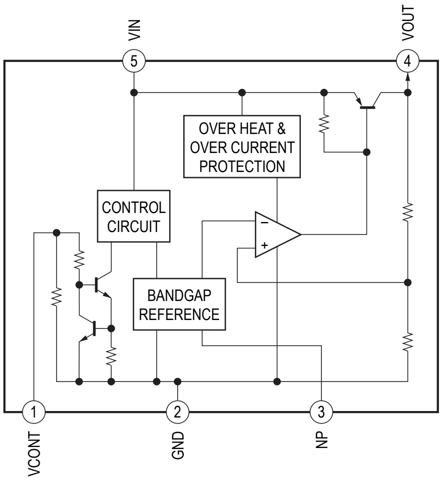
– E-VOL Board –

IC1203, 1213, 1223, 1233 CXD9725M-HFL

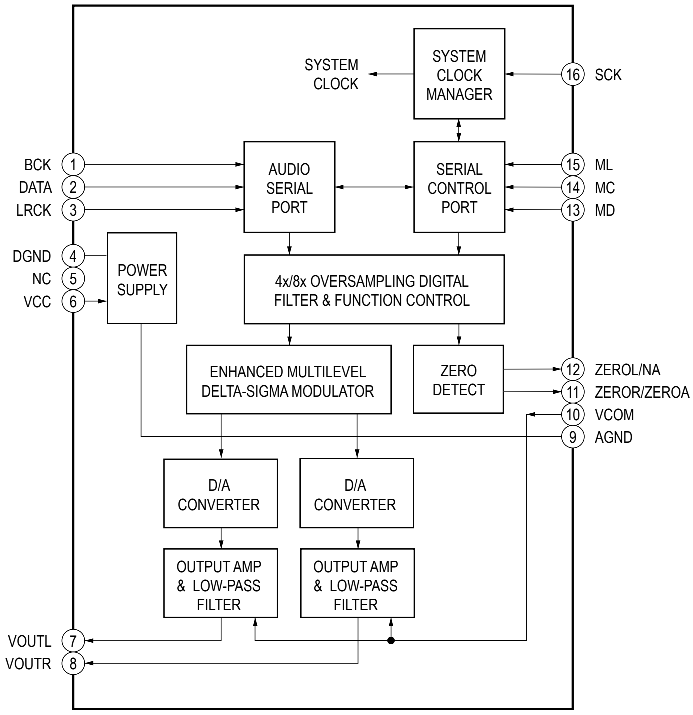


– DMPORT Board –

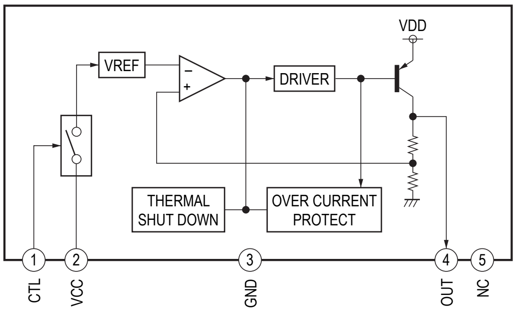
IC6802 TK11133CSCL-G
IC6805 TK11150CSCL-G



IC6803 PCM1753DBQR

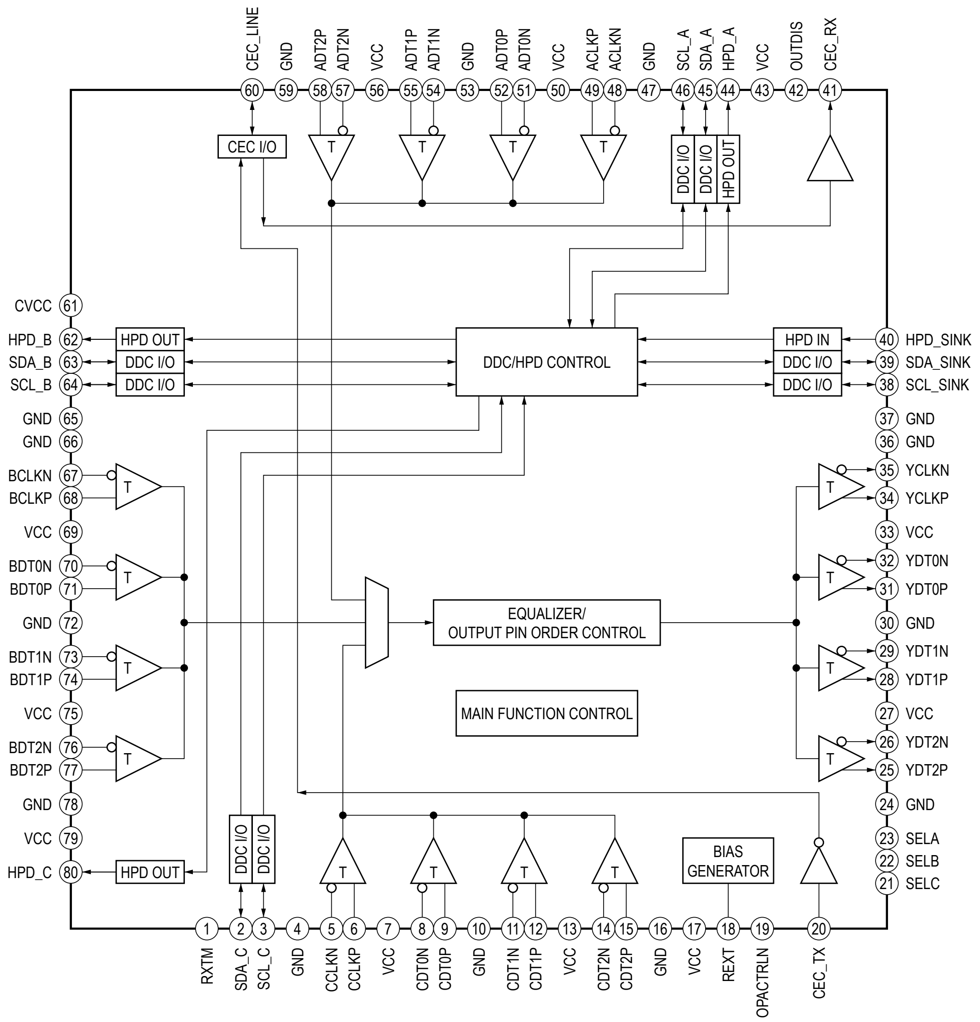


IC6804 BA00BC0WFP-E2

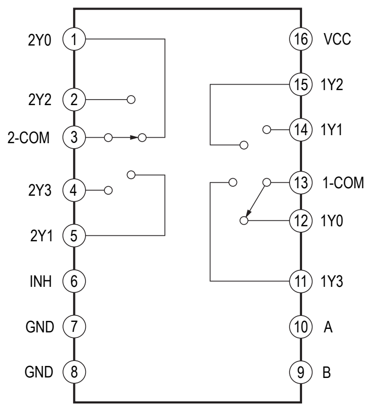


– D VIDEO Board –

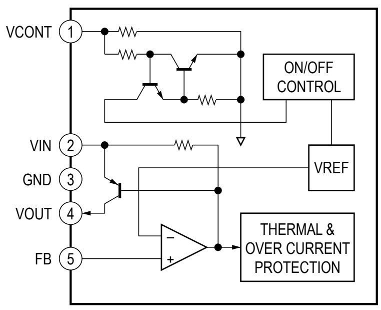
IC3503, 3504 CXB1444R-T6



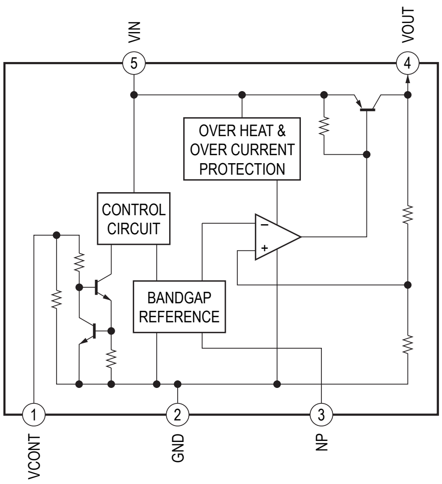
IC3508, 3526 SN74LV4052APWR



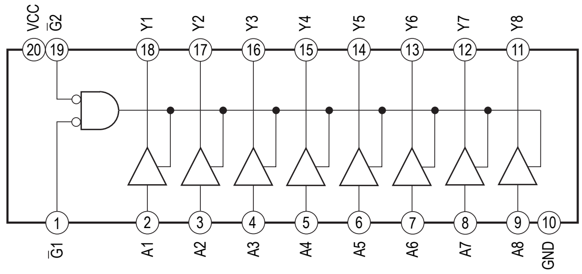
IC3515, 3517, 3605, 3612, 3617 TK73400AU3G0L-C



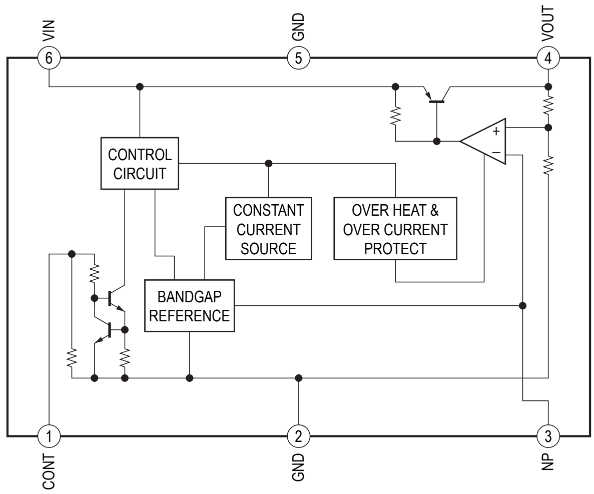
IC3516, 3520 TK11150CSCL-G
IC3608, 3613 TK11118CSCL-G
IC3614, 3616, 3626, 3629, 3860 TK11133CSCL-G
IC3852 TK11125CSCL-G



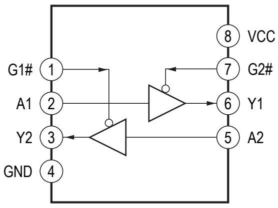
IC3524 TC74VHC541FT(EL)



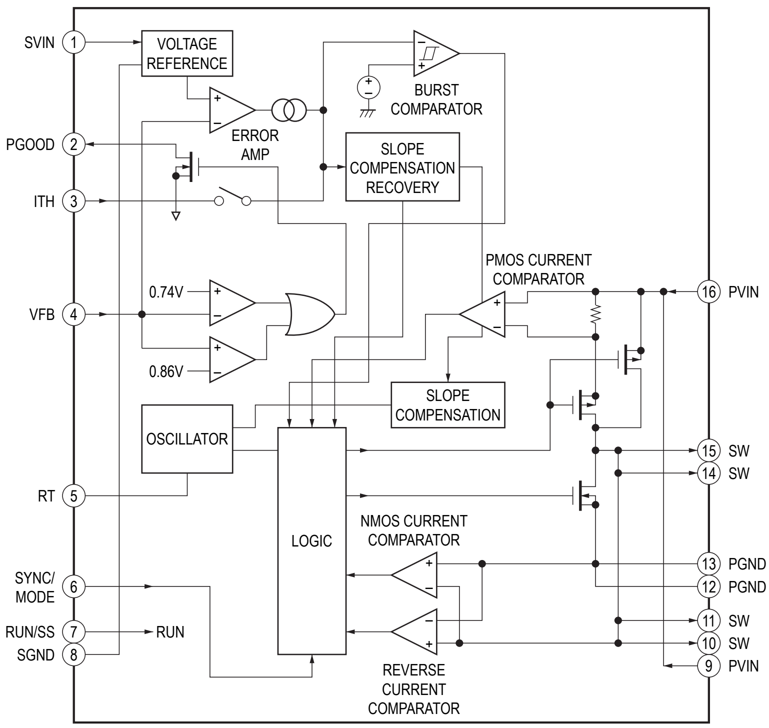
IC3622, 3625 TK11233CMCL-G
IC3851, 3856 TK11225CMCL-G



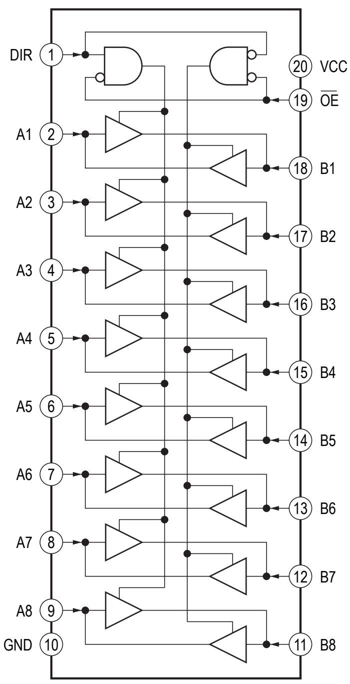
IC3525 TC7WT125FU (TE12R)



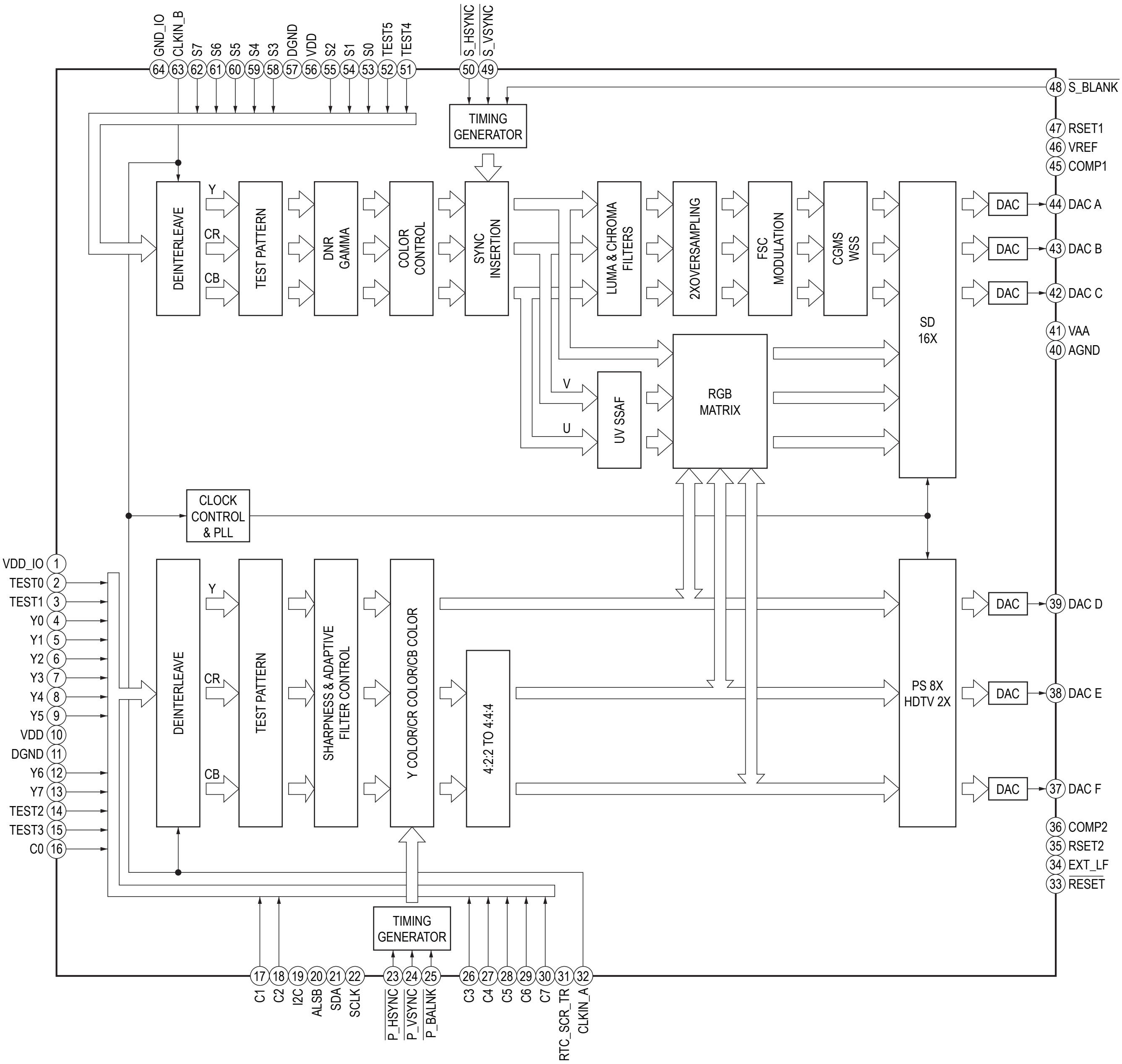
IC3623 LTC3412EFE#TR



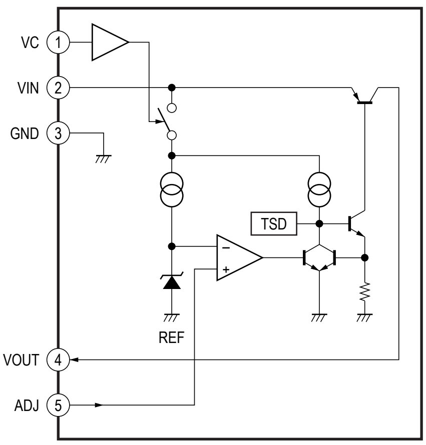
IC3619, 3620 TC74LCX245FK (EL)



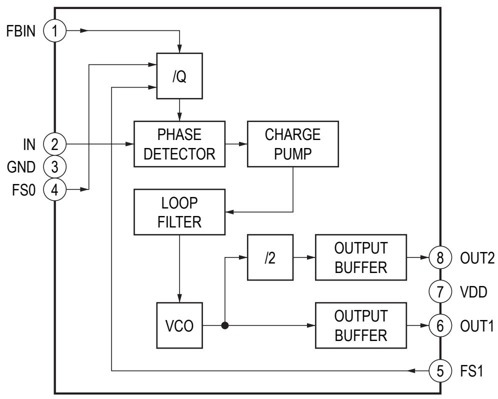
IC3850, 3855 ADV7322KSTZ



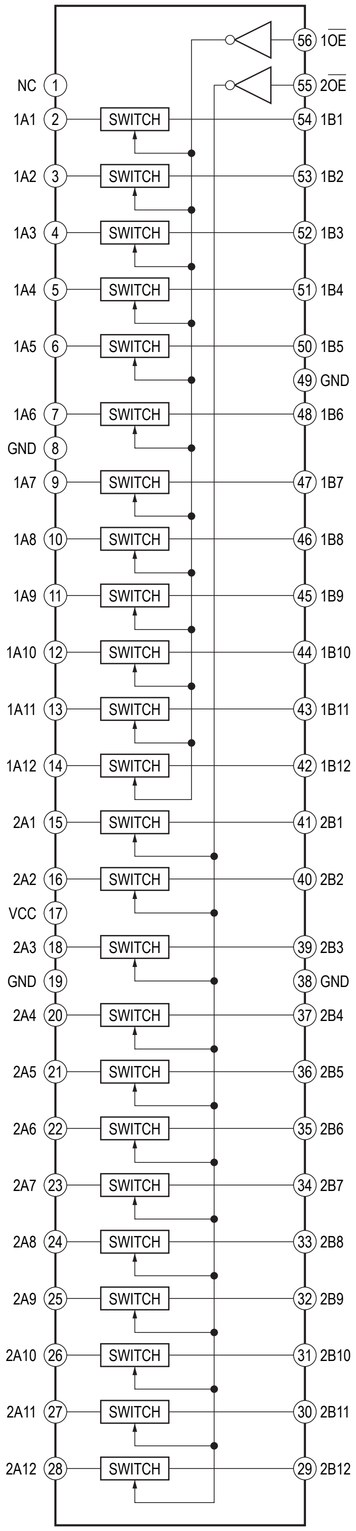
IC3853 SI-3010KM-TLS



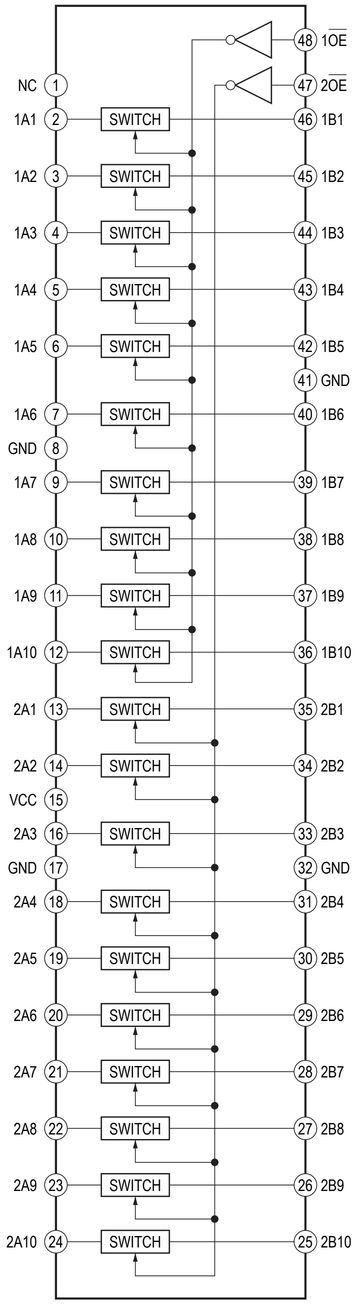
IC3854, 3857 CY2302-SXC-1T



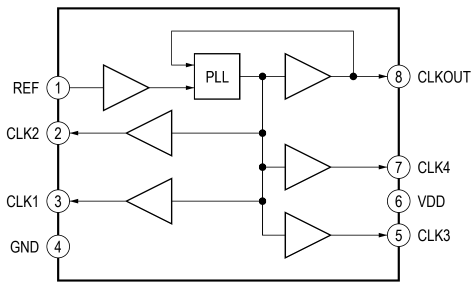
IC3858 SN74CB3Q16211DGVR



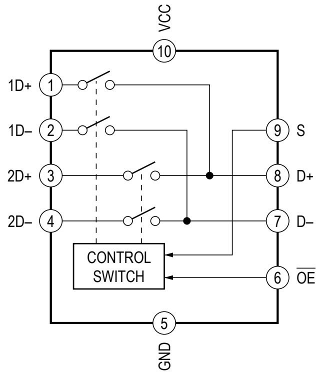
IC3859 SN74CB3Q16210DGVR



IC3862, 3863 CY23EP05SXC-1HT

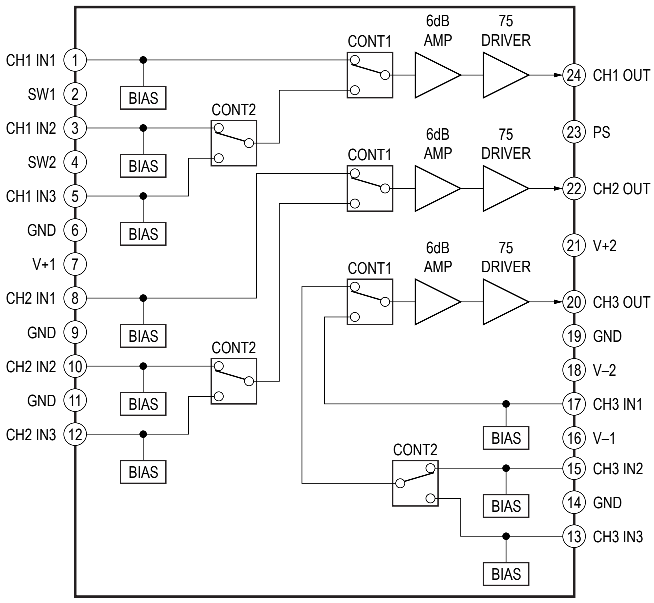


IC3864 TS3USB221RSER

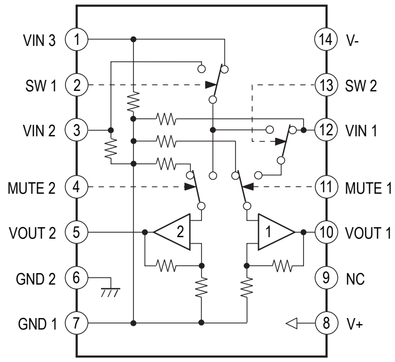


– A-VIDEO Board –

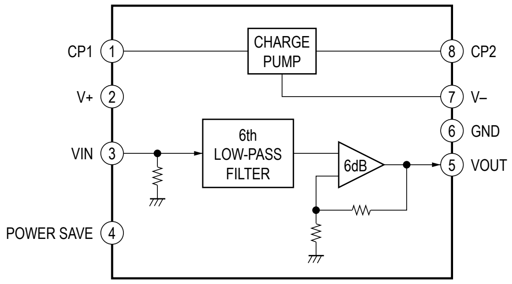
IC6001 NJM2586AM



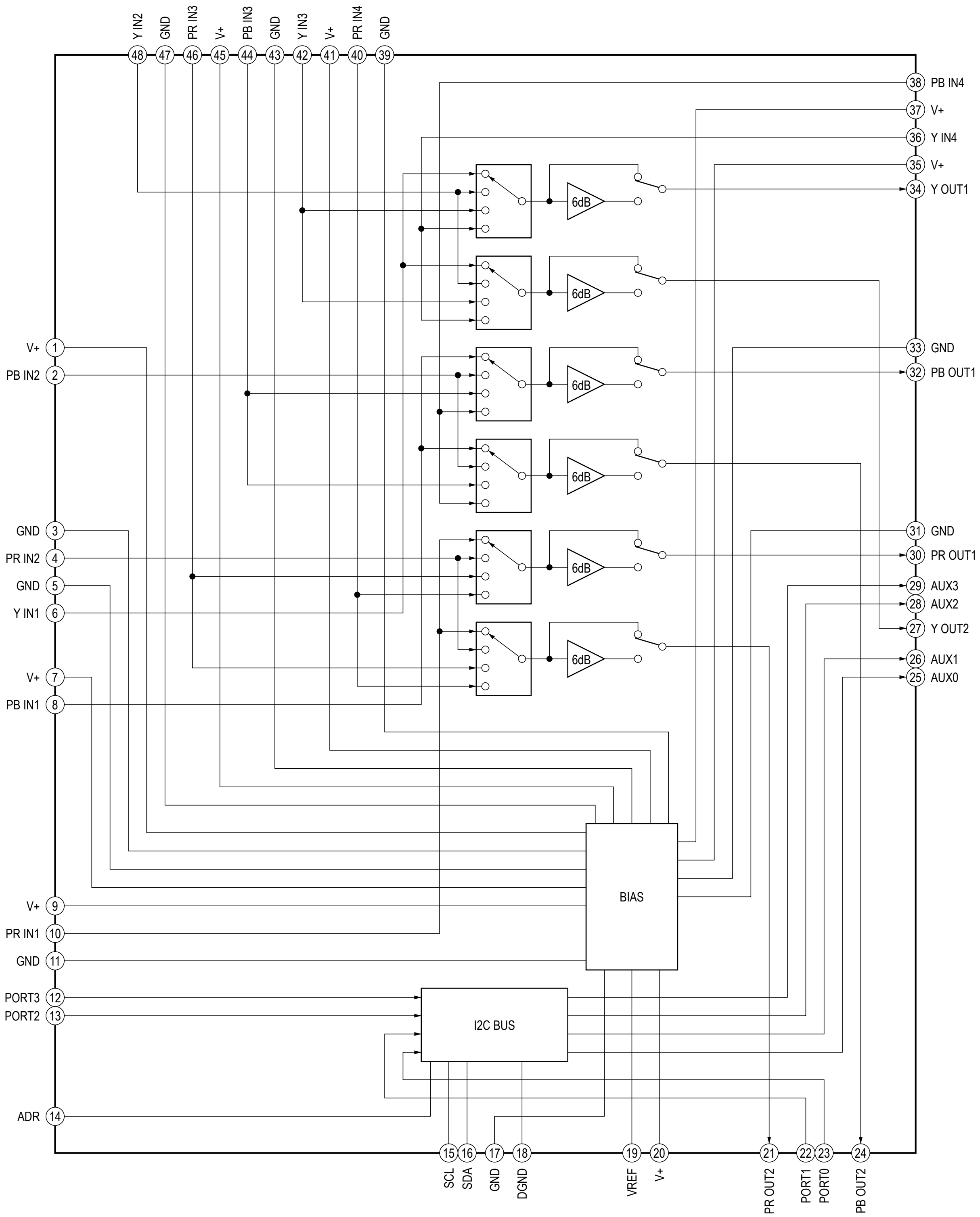
IC6002 NJM2279M-TE2



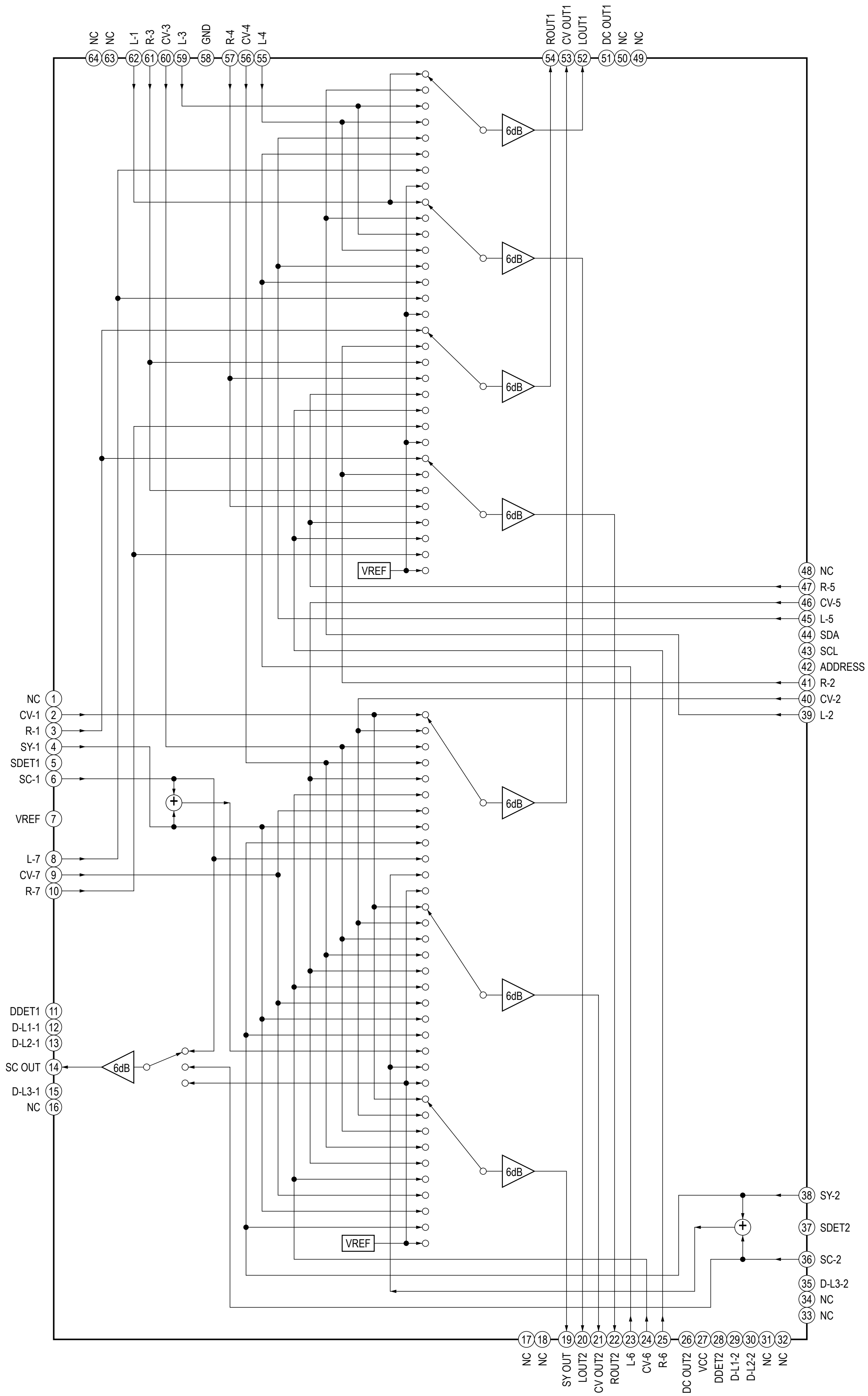
IC6003 NJW1351RB1 (TE2)



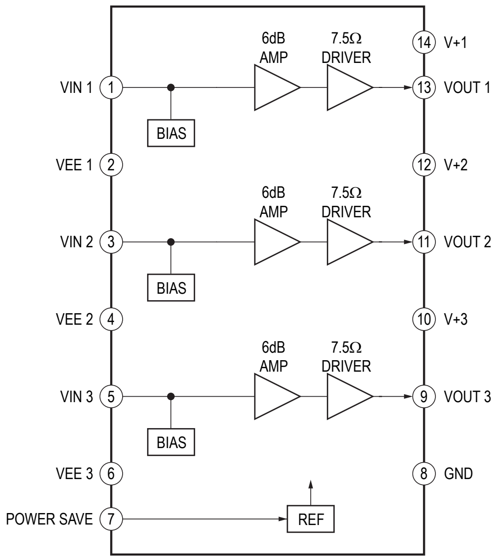
IC6004 NJW1321FP1



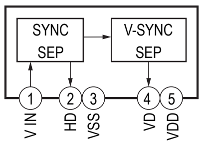
IC6007 AN15856A



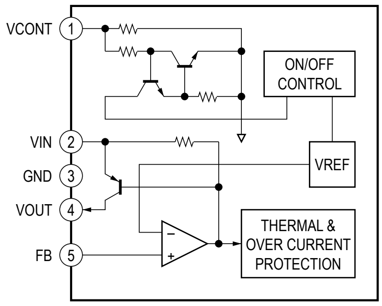
IC6006 NJM2581M-TE2



IC6008, 6009 LA7213

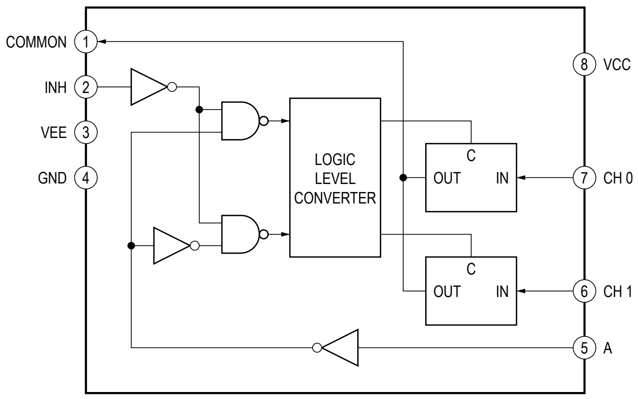


IC6011 TK73400AU3G0L-C



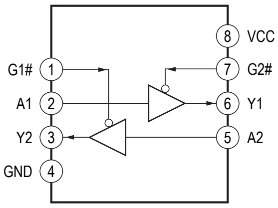
– CIS Board –

IC802 TC7W53F (TE12R)

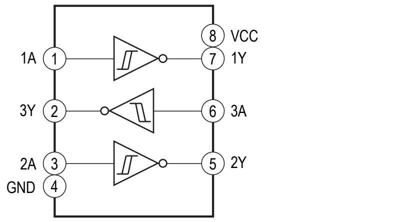


– CONTROL Board –

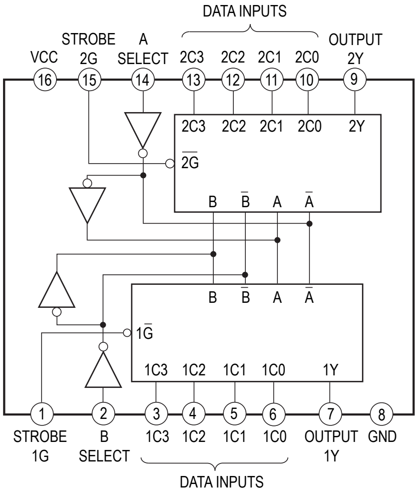
IC2501 TC7WT125FU (TE12R)



IC2505, 2509 TC7W14FU (TE12R)

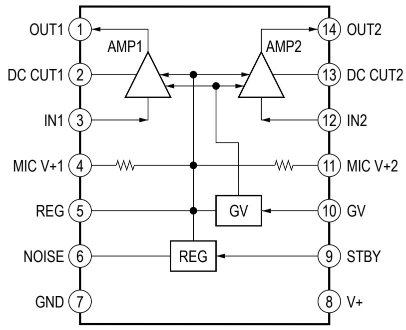


IC2506, 2507 TC74VHC153FT (EL)



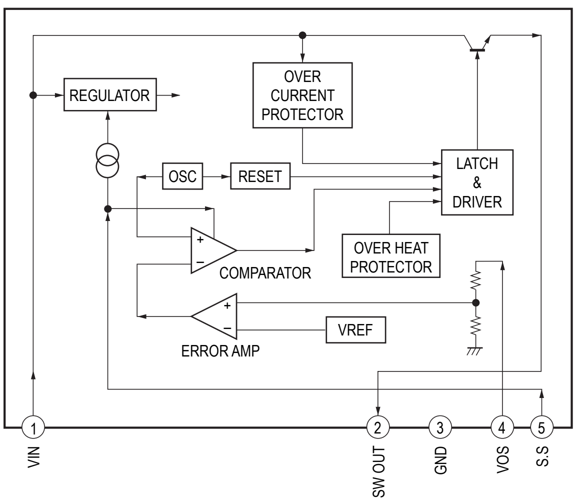
– DISPLAY Board –

IC703 NJM2173AV (TE2)

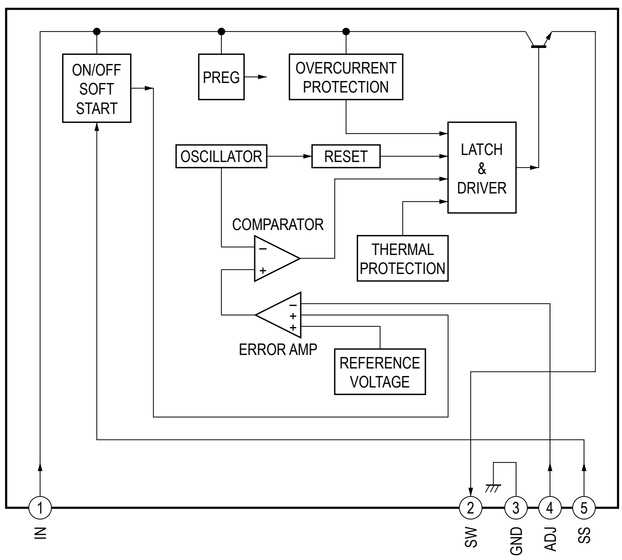


– DC-DC Board –

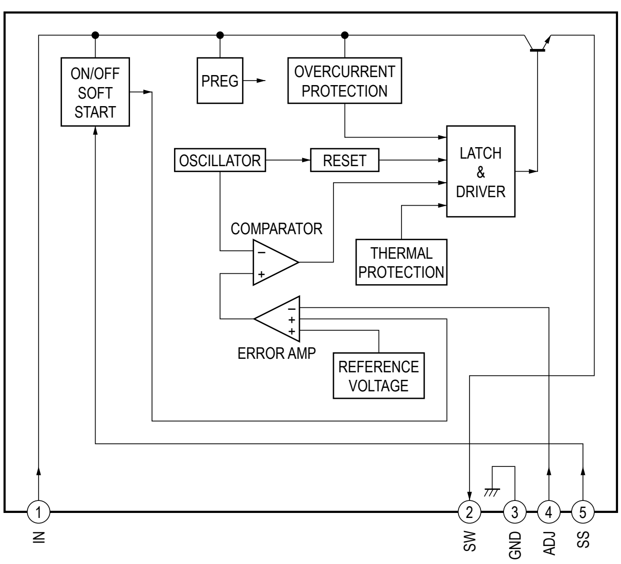
IC1401, 1404 SI-8050S-LF1101



IC1402, 1403 SI-8008HFE

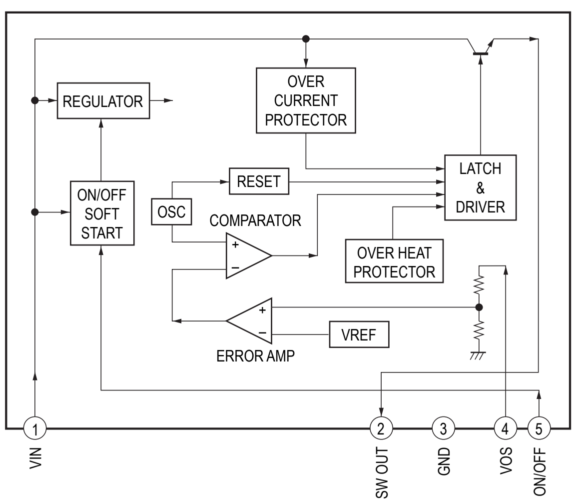


IC1405 SI-8120JF



– DCDC2 Board –

IC1451 SI-8008HFE



- **IC Pin Function Description**

DIGITAL BOARD IC2003 EP2C5T144C8N (FIELD PROGRAMMABLE GATE ARRAY)

Pin No.	Pin Name	I/O	Description
1	∗ASDO	O	AS data output to the flash memory
2	∗nCSO	O	Chip select signal output to the flash memory
3	MUTEOUT	O	Muting control signal output terminal
4	AMCKOUT	O	Audio master clock signal output to the D/A converter (foe audio section)
5	VCCIO1	-	Power supply terminal (+3.3V)
6	GND	-	Ground terminal
7	LRCKOUT	O	L/R sampling clock signal output for PCM audio signal to the lip sync adjust
8	-	-	Not used
9	BCKOUT	O	Bit clock signal output for PCM audio signal to the lip sync adjust
10	∗TDO	O	Data output terminal (for JTAG) Not used
11	∗TMS	I	Mode selection signal input terminal (for JTAG) Not used
12	∗TCK	I	Clock signal input terminal (for JTAG) Not used
13	∗TDI	I	Data input terminal (for JTAG) Not used
14	∗DATA0	I	Data input from the flash memory
15	∗DCLK	O	Clock signal output to the flash memory
16	∗nCE	I	Chip enable signal input terminal Not used
17	MCLKIN	I	Master clock signal input from the digital audio interface receiver or HDMI receiver
18	BCKIN	I	Bit clock signal input for PCM audio signal from the DSP2
19	GND	-	Ground terminal
20	∗nCONFIG	I	Configuration control signal input terminal Not used
21	XRESET	I	Reset signal input from the system controller "L": reset
22	AMCKIN	I	Audio master clock signal input terminal
23	VCCIO1	-	Power supply terminal (+3.3V)
24	SD0OUT	O	PCM audio signal (front L/R) output to the lip sync adjust
25	SD1OUT	O	PCM audio signal (surround L/R) output to the lip sync adjust
26	-	-	Not used
27	SD2OUT	O	PCM audio signal (center, sub woofer) output to the lip sync adjust
28	SD3OUT	O	PCM audio signal (surround back L/R) output to the lip sync adjust
29	VCCIO1	-	Power supply terminal (+3.3V)
30	-	-	Not used
31	LRCKIN	I	L/R sampling clock signal input for PCM audio signal from the DSP2
32	-	-	Not used
33	GND	-	Ground terminal
34	GND_PLL1	-	Ground terminal (for PLL)
35	VCCD_PLL1	-	Power supply terminal (+1.2V) (digital system) (for PLL)
36	GND_PLL1	-	Ground terminal (for PLL)
37	VCCA_PLL1	-	Power supply terminal (+1.2V) (analog system) (for PLL)
38	GNDA_PLL1	-	Ground terminal (analog system) (for PLL)
39	GND	-	Ground terminal
40	SD0IN	I	PCM audio signal (front L/R) input from the DSP2
41	-	-	Not used
42	SD1IN	I	PCM audio signal (surround L/R) input from the DSP2
43	SD2IN	I	PCM audio signal (center, sub woofer) input from the DSP2
44	-	-	Not used
45	SD3IN	I	PCM audio signal (surround back L/R) input from the DSP2
46	VCCIO4	-	Power supply terminal (+3.3V)
47	I2CADRS0	-	Not used
48	I2CADRD1	-	Not used
49	GND	-	Ground terminal
50	VCCINT	-	Power supply terminal (+1.2V)
51	SDRAM	-	Not used
52, 53	-	-	Not used
54	VCCIO4	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
55	ERR	-	Not used
56	GND	-	Ground terminal
57	MIDDLE	O	Buffer status output to the system controller
58	EMPTY	O	Not used
59	FULL	O	Not used
60	-	-	Not used
61	GND	-	Ground terminal
62	VCCINT	-	Power supply terminal (+1.2V)
63	-	-	Not used
64	MODE	I	Not used
65	MUTE	I	Muting control signal input from the system controller
66	VCCIO4	-	Power supply terminal (+3.3V)
67	OUTPUTEN	I	Not used
68	GND	-	Ground terminal
69	MEMCLR	I	Not used
70	TXSTART	I	Not used
71	RXSTART	I	Not used
72	SDA	I/O	I2C data bus with the D/A converter (for audio section), system controller and video input selector
73	BA1	O	Bank address signal output terminal Not used
74	BA0	O	Bank address signal output to the SD-RAM
75	INIT_DONE	-	Not used
76	XCS	O	Chip select signal output to the SD-RAM
77	VCCIO3	-	Power supply terminal (+3.3V)
78	GND	-	Ground terminal
79	XRAS	O	Row address signal output to the SD-RAM
80	XCAS	O	Column address signal output to the SD-RAM
81	XWE	O	Write enable signal output to the SD-RAM
82	∗nSTATUS	-	Configuration status terminal Not used
83	∗CONF_DONE	O	Configuration status output terminal
84, 85	∗MSEL1, ∗MSEL0	I	Mode setting terminal
86	LDQM	O	Data mask signal output to the SD-RAM (lower byte)
87	-	-	Not used
88	SCL	I	I2C clock signal input from the system controller
89	-	-	Not used
90	SYSCLK	I	System clock signal input terminal
91	-	-	Not used
92 to 94	A0 to A2	O	Address signal output to the SD-RAM
95	VCCIO3	-	Power supply terminal (+3.3V)
96, 97	A3, A4	O	Address signal output to the SD-RAM
98	GND	-	Ground terminal
99 to 101	A5 to A7	O	Address signal output to the SD-RAM
102	VCCIO3	-	Power supply terminal (+3.3V)
103, 104	A8, A9	O	Address signal output to the SD-RAM
105	GND	-	Ground terminal
106	GND_PLL2	-	Ground terminal (for PLL)
107	VCCD_PLL2	-	Power supply terminal (+1.2V) (digital system) (for PLL)
108	GND_PLL2	-	Ground terminal (for PLL)
109	VCCA_PLL2	-	Power supply terminal (+1.2V) (analog system) (for PLL)
110	GNDA_PLL2	-	Ground terminal (analog system) (for PLL)
111	GND	-	Ground terminal
112	A10	O	Address signal output to the SD-RAM
113	A11	O	Address signal output terminal Not used
114, 115	D0, D1	I/O	Two-way data bus with the SD-RAM
116	VCCIO2	-	Power supply terminal (+3.3V)
117	GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
118, 119	D2, D3	I/O	Two-way data bus with the SD-RAM
120	-	-	Not used
121, 122	D4, D5	I/O	Two-way data bus with the SD-RAM
123	GND	-	Ground terminal
124	VCCINT	-	Power supply terminal (+1.2V)
125, 126	D6, D7	I/O	Two-way data bus with the SD-RAM
127	VCCIO2	-	Power supply terminal (+3.3V)
128	GND	-	Ground terminal
129	D8	I/O	Two-way data bus with the SD-RAM
130	GND	-	Ground terminal
131	VCCINT	-	Power supply terminal (+1.2V)
132 to 134	D9 to D11	I/O	Two-way data bus with the SD-RAM
135	-	-	Not used
136, 137	D12, D13	I/O	Two-way data bus with the SD-RAM
138	VCCIO2	-	Power supply terminal (+3.3V)
139	D14	I/O	Two-way data bus with the SD-RAM
140	GND	-	Ground terminal
141	D15	I/O	Two-way data bus with the SD-RAM
142	UNQM	O	Data mask signal output to the SD-RAM (upper byte)
143	CLK	O	Clock signal output to the SD-RAM
144	CKE	O	Clock enable signal output to the SD-RAM

DSP BOARD IC5002 ADSST-AVR-1132 (DSP1)

Pin No.	Pin Name	I/O	Description
A1	CLKCFG0	I	Clock frequency setting terminal
A2	XTAL	O	System clock output terminal (12.288 MHz)
A3	TMS	I	Mode selection signal input terminal (for JTAG) Not used
A4	TCK	I	Clock signal input terminal (for JTAG) Not used
A5	TDI	I	Data input terminal (for JTAG) Not used
A6	CLKOUT	O	Clock signal output terminal Not used
A7	TDO	O	Data output terminal (for JTAG) Not used
A8	$\overline{\text{EMU}}$	-	Not used
A9	MOSI	I	Serial data input from the DSP controller
A10	MISO	O	Serial data output to the DSP controller
A11	$\overline{\text{SPIDS}}$	I	Serial data latch pulse signal input from the DSP controller
A12	VDDINT	-	Power supply terminal (+1.2V)
A13, A14	GND	-	Ground terminal
B1	CLKCFG1	I	Clock frequency setting terminal
B2	GND	-	Ground terminal
B3	VDDEXT	-	Power supply terminal (+3.3V)
B4	CLKIN	I	System clock input terminal (12.288 MHz)
B5	$\overline{\text{TRST}}$	I	Reset signal input terminal (for JTAG) Not used
B6	AVSS	-	Ground terminal
B7	AVDD	-	Power supply terminal (+1.2V)
B8	VDDEXT	-	Power supply terminal (+3.3V)
B9	SPICLK	I	Serial data transfer clock signal input from the DSP controller
B10	$\overline{\text{RESET}}$	I	Reset signal input from the DSP controller "L": reset
B11	VDDINT	-	Power supply terminal (+1.2V)
B12 to B14	GND	-	Ground terminal
C1, C2	BOOTCFG1, BOOTCFG0	I	Boot mode setting signal input from the DSP controller
C3, C12, C13	GND	-	Ground terminal
C14, D1	VDDINT	-	Power supply terminal (+1.2V)
D2, D4 to D6, D9 to D11, D13	GND	-	Ground terminal
D14, E1	VDDINT	-	Power supply terminal (+1.2V)
E2, E4 to E6, E9 to E11, E13	GND	-	Ground terminal
E14	P_ERROR	O	PLL lock error signal and data error flag output to the DSP2 and DSP controller
F1	FLAG1	I	Audio muting control signal input from the digital audio interface receiver or HDMI receiver
F2	FLAG0	O	Interrupt request signal output to the DSP controller
F4 to F6, F9 to F11	GND	-	Ground terminal
F13	NONAUDIO	I	PCM audio data input from the digital audio interface receiver or video system controller
F14	DPFSCK	I	Master clock signal input from the digital audio processor1 or HDMI receiver
G1	AD7	I/O	Two-way data bus with flash memory and S-RAM Address signal output to the address latch
G2	VDDINT	-	Power supply terminal (+1.2V)
G13	VDDEXT	-	Power supply terminal (+3.3V)
G14	DPBCK	I	Bit clock signal input for PCM audio signal input from the digital audio interface receiver or HDMI receiver.
H1	AD6	I/O	Two-way data bus with flash memory and S-RAM Address signal output to the address latch
H2	VDDEXT	-	Power supply terminal (+3.3V)
H13	DPLRCK	I	L/R sampling clock signal input for PCM audio signal input from the digital audio interface receiver or HDMI receiver
H14	DPDVBCK	O	Bit clock signal output for PCM audio signal output to the DSP2

Pin No.	Pin Name	I/O	Description
J1, J2	AD5, AD4	I/O	Two-way data bus with flash memory and S-RAM Address signal output to the address latch
J4 to J6, J9 to J11	GND	-	Ground terminal
J13	VDDINT	-	Power supply terminal (+1.2V)
J14	DPDVLRCK	O	L/R sampling clock signal output for PCM audio signal output to the DSP2
K1	AD3	I/O	Two-way data bus with flash memory and S-RAM Address signal output to the address latch
K2	VDDINT	-	Power supply terminal (+1.2V)
K4 to K6, K9 to K11, K13	GND	-	Ground terminal
K14	DPSIE	I	PCM audio signal (surround back L/R) input from the HDMI receiver
L1, L2	AD2, AD1	I/O	Two-way data bus with flash memory and S-RAM Address signal output to the address latch
L4 to L6, L9 to L11, L13	GND	-	Ground terminal
L14	DPSID	I	PCM audio signal (center, sub woofer) input from the HDMI receiver
M1	AD0	I/O	Two-way data bus with flash memory and S-RAM Address signal output to the address latch
M2	$\overline{WR}$	O	Data write enable signal output to the flash memory and S-RAM
M3, M12	GND	-	Ground terminal
M13	DPSIB	I	PCM audio signal (front L/R) input from the A/D converter or HDMI receiver
M14	DPSIC	I	PCM audio signal (surround L/R) input from the HDMI receiver
N1	AD15	O	Address signal output to the flash memory and S-RAM
N2	ALE	O	Address latch enable signal output to the address latch
N3	$\overline{RD}$	O	Data read enable signal output to the flash memory and S-RAM
N4	VDDINT	-	Power supply terminal (+1.2V)
N5	VDDEXT	-	Power supply terminal (+3.3V)
N6	AD8	O	Address signal output to the flash memory S-RAM, flash memory and address latch
N7	VDDINT	-	Power supply terminal (+1.2V)
N8	DAI_P2	-	Not used
N9	VDDEXT	-	Power supply terminal (+3.3V)
N10	DAI_P4	O	Digital audio signal output to the DSP2
N11, N12	VDDINT	-	Power supply terminal (+1.2V)
N13	GND	-	Ground terminal
N14	DPSOE	O	PCM audio signal output to the DSP2
P1 to P6	AD14 to AD9	O	Address signal output to the flash memory and S-RAM
P7 to P9	DAI_P1, DAI_P3, DAI_P5	-	Not used
P10	DPSOA	O	PCM audio signal (front L/R) output to the DSP2
P11	DPSOB	O	PCM audio signal (surround L/R) output to the DSP2
P12	DPSOC	O	PCM audio signal (center, sub woofer) output to the DSP2
P13	DPSOD	O	PCM audio signal (surround back L/R) output to the DSP2
P14	DPSIA	I	PCM audio signal (digital input) input from the digital audio interface receiver or HDMI receiver

DSP BOARD IC5202 ADSST-AVR-1131 (DSP2)

Pin No.	Pin Name	I/O	Description
A1	CLKCFG0	I	Clock frequency setting terminal
A2	XTAL	O	System clock output terminal (25 MHz)
A3	TMS	I	Mode selection signal input terminal (for JTAG) Not used
A4	TCK	I	Clock signal input terminal (for JTAG) Not used
A5	TDI	I	Data input terminal (for JTAG) Not used
A6	CLKOUT	O	Clock signal output terminal Not used
A7	TDO	O	Data output terminal (for JTAG) Not used
A8	$\overline{\text{EMU}}$	-	Not used
A9	MOSI	I/O	When DSP2 is master: Serial data output to the serial flash When DSP2 is slave: Serial data input from the DSP controller
A10	MISO	I/O	When DSP2 is master: Serial data input from the serial flash When DSP2 is slave: Serial data output to the DSP controller
A11	$\overline{\text{SPIDS}}$	I	Serial data latch pulse signal input from the DSP controller
A12	VDDINT	-	Power supply terminal (+1.2V)
A13, A14	GND	-	Ground terminal
B1	CLKCFG1	I	Clock frequency setting terminal
B2	GND	-	Ground terminal
B3	VDDEXT	-	Power supply terminal (+3.3V)
B4	CLKIN	I	System clock input terminal (25 MHz)
B5	$\overline{\text{TRST}}$	I	Reset signal input terminal (for JTAG) Not used
B6	AVSS	-	Ground terminal
B7	AVDD	-	Power supply terminal (+1.2V)
B8	VDDEXT	-	Power supply terminal (+3.3V)
B9	SPICLK	I/O	When DSP2 is master: Serial data transfer clock signal input from the DSP controller When DSP2 is slave: Serial data transfer clock signal output to the serial flash
B10	$\overline{\text{RESET}}$	I	Reset signal input from the DSP controller "L": reset
B11	VDDINT	-	Power supply terminal (+1.2V)
B12 to B14	GND	-	Ground terminal
C1, C2	BOOTCFG1, BOOTCFG0	I	Boot mode setting signal input from the DSP controller
C3, C12, C13	GND	-	Ground terminal
C14, D1	VDDINT	-	Power supply terminal (+1.2V)
D2, D4 to D6, D9 to D11, D13	GND	-	Ground terminal
D14, E1	VDDINT	-	Power supply terminal (+1.2V)
E2, E4 to E6, E9 to E11, E13	GND	-	Ground terminal
E14	SF2_DSP2_CE	O	Chip enable signal output to the serial flash
F1	FLAG1	I	Audio muting control signal input from the digital audio interface receiver or HDMI receiver
F2	FLAG0	O	Interrupt request signal output to the DSP controller
F4 to F6, F9 to F11	GND	-	Ground terminal
F13	P_ERROR	I	PLL lock error signal and data error flag input from the DSP1
F14	DPFSCK	I	Master clock signal input from the digital audio interface receiver or HDMI receiver
G1	AD7	I/O	Two-way data bus with S-RAM and address signal output to the address latch
G2	VDDINT	-	Power supply terminal (+1.2V)
G13	VDDEXT	-	Power supply terminal (+3.3V)
G14	DPBCK	I	Bit clock signal input for PCM audio signal input from the digital audio interface receiver, DSP1 or HDMI receive
H1	AD6	I/O	Two-way data bus with S-RAM and address signal output to the address latch
H2	VDDEXT	-	Power supply terminal (+3.3V)
H13	DPLRCK	I	L/R sampling clock signal input for PCM audio signal input from the digital audio interface receiver, DSP1 or HDMI receiver

Pin No.	Pin Name	I/O	Description
H14	DPDVBCK	O	Bit clock signal output for PCM audio signal output to the lip sync adjust and D/A converter (for audio section) (US and Canadian models) Bit clock signal output for PCM audio signal output to the field programmable gate array (AEP, Continental European, East European, Russian and UK models)
J1, J2	AD5, AD4	I/O	Two-way data bus with S-RAM and address signal output to the address latch
J4 to J6, J9 to J11	GND	-	Ground terminal
J13	VDDINT	-	Power supply terminal (+1.2V)
J14	DPDVLRCK	O	L/R sampling clock signal output for PCM audio signal output to the lip sync adjust and D/A converter (for audio section) (US and Canadian models) L/R sampling clock signal output for PCM audio signal output to the field programmable gate array (AEP, Continental European, East European, Russian and UK models)
K1	AD3	I/O	Two-way data bus with S-RAM and address signal output to the address latch
K2	VDDINT	-	Power supply terminal (+1.2V)
K4 to K6, K9 to K11, K13	GND	-	Ground terminal
K14	DPSIE	I	PCM audio signal (surround back L/R) input from the DSP1
L1, L2	AD2, AD1	I/O	Two-way data bus with S-RAM and address signal output to the address latch
L4 to L6, L9 to L11, L13	GND	-	Ground terminal
L14	DPSID	I	PCM audio signal (center, sub woofer) input from the DSP1
M1	AD0	I/O	Two-way data bus with S-RAM and address signal output to the address latch
M2	$\overline{\text{WR}}$	O	Data write enable signal output to the S-RAM
M3, M12	GND	-	Ground terminal
M13	DPSIB	I	PCM audio signal (front L/R) input from the A/D converter, HDMI receiver or DSP1
M14	DPSIC	I	PCM audio signal (surround L/R) input from the DSP1
N1	AD15	O	Address signal output to the S-RAM and address latch
N2	ALE	O	Address latch enable signal output to the address latch
N3	$\overline{\text{RD}}$	O	Data read enable signal output to the S-RAM
N4	VDDINT	-	Power supply terminal (+1.2V)
N5	VDDEXT	-	Power supply terminal (+3.3V)
N6	AD8	O	Address signal output to the S-RAM and address latch
N7	VDDINT	-	Power supply terminal (+1.2V)
N8	DAI_P2	-	Not used
N9	VDDEXT	-	Power supply terminal (+3.3V)
N10	DAI_P4	I	Degital audio signal input from the DSP1
N11, N12	VDDINT	-	Power supply terminal (+1.2V)
N13	GND	-	Ground terminal
N14	DPSOE	O	PCM audio signal output terminal Not used
P1 to P6	AD14 to AD9	O	Address signal output to the S-RAM and address latch
P7	DAI_P1	O	Address signal output to the S-RAM
P8	DAI_P3	-	Not used
P9	SF2_DSP2_MAS	O	Master/slave mode selection signal output terminal
P10	DPSOA	O	PCM audio signal (front L/R) output to the lip sync adjust (US and Canadian models) PCM audio signal (front L/R) output to the field programmable gate array (AEP, Continental European, East European, Russian and UK models)
P11	DPSOB	O	PCM audio signal (surround L/R) output to the lip sync adjust (US and Canadian models) PCM audio signal (surround L/R) output to the field programmable gate array (AEP, Continental European, East European, Russian and UK models)
P12	DPSOC	O	PCM audio signal (center, sub woofer) output to the lip sync adjust (US and Canadian models) PCM audio signal (center, sub woofer) output to the field programmable gate array (AEP, Continental European, East European, Russian and UK models)
P13	DPSOD	O	PCM audio signal (surround back L/R) output to the lip sync adjust (US and Canadian models) PCM audio signal (surround back L/R) output to the field programmable gate array (AEP, Continental European, East European, Russian and UK models)
P14	DPSIA	I	PCM audio signal (digital input) input from the DSP1

DSP BOARD IC5208 MB91F353APMT-GE1 (DSP CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	RDATA0	I	PCM audio signal (digital input) input from the digital audio interface receiver or HDMI receiver
2 to 8	-	-	Not used
9	DSP2_SIB_SEL	O	Data selection signal output to the data selector
10	P_ERROR	I	PLL lock error signal and data error flag input from the DSP1
11	DSP1_SPIDS	O	Serial data latch pulse signal output to the DSP1
12	DSP1_RESET	O	Reset signal output to the DSP1 and flash memory "L": reset
13, 14	DSP1_BOOTCFG0, DSP1_BOOTCFG1	O	Boot mode setting signal output to the DSP1
15, 16	-	-	Not used
17	SF2_DSP2_MAS	I	Master/slave mode selection signal input from the DSP2
18, 19	-	-	Not used
20	SF2_CPU_CE	O	Chip enable signal output to the serial flash
21	DSP2_SPIDS	O	Serial data latch pulse signal output to the DSP2
22	DSP2_RESET	O	Reset signal output to the DSP2 "L": reset
23, 24	-	-	Not used
25, 26	DSP2_BOOTCFG0, DSP2_BOOTCFG1	O	Boot mode setting signal output to the DSP2
27 to 35	-	-	Not used
36	DRST_TRG	O	Programming end flag output to the system controller
37 to 39	-	-	Not used
40	VSS	-	Ground terminal
41	SDA	I/O	Two-way I2C data bus with the system controller
42	SCL	I/O	Two-way I2C clock bus with the system controller
43	VSS	-	Ground terminal
44	VCC	-	Power supply terminal (+3.3V)
45 to 47	-	-	Not used
48	$\overline{RD}$	O	Read strobe signal output terminal Not used
49	$\overline{WR0}$	O	Write strobe signal output terminal Not used
50, 51	-	-	Not used
52	MD2	I	Programming mode setting signal input from the system controller
53, 54	MD1, MD0	I	Programming mode setting signal input terminal Not used
55	XRESET	I	Reset signal input from the system controller "L": reset
56	VCC	-	Power supply terminal (+3.3V)
57	XOUT	O	System clock output terminal (12.5 MHz)
58	XIN	I	System clock input terminal (12.5 MHz)
59	VSS	-	Ground terminal
60 to 62	-	-	Not used
63	MD_BUSY	I	Busy signal input from the system controller
64	DM_BUSY	O	Busy signal output to the system controller
65	DM_INT	O	Interrupt request signal output terminal Not used
66 to 69	-	-	Not used
70, 71	PN0, PN2	-	Not used
72 to 75	-	-	Not used
76	VSS	-	Ground terminal
77	VCC	-	Power supply terminal (+3.3V)
78 to 80	-	-	Not used
81	INT0	I	Interrupt request signal input terminal Not used
82	MD_INT	I	Interrupt request signal input from the system controller
83	DSP1_INT	I	Interrupt request signal input from the DSP1
84	DSP2_INT	I	Interrupt request signal input from the DSP2
85, 86	INT4, INT5	I	Interrupt request signal input terminal Not used
87, 88	-	-	Not used
89	MD_DATA	I	Serial data input terminal Not used
90	DM_DATA	O	Serial data output terminal Not used
91	SCK0	O	Serial data transfer clock signal output terminal Not used

Pin No.	Pin Name	I/O	Description
92	DSP1_MISO	I	Serial data input from the DSP1
93	DSP1_MOSI	O	Serial data output to the DSP1
94	DSP1_SPICLK	O	Serial data transfer clock signal output to the DSP1
95	VCC	-	Power supply terminal (+3.3V)
96	VSS	-	Ground terminal
97, 98	-	-	Not used
99	DSP2_MISO	I	Serial data input from the DSP2 or serial flash
100	DSP2_MOSI	O	Serial data output to the DSP2 or serial flash
101	DSP2_SPICLK	O	Serial data transfer clock signal output to the DSP2 or serial flash
102	SI3	I	Serial data input from the RS-232C connector
103	SO3	O	Serial data output to the RS-232C connector
104	SCK3	O	Serial data transfer clock signal output terminal Not used
105, 106	-	-	Not used
107	DAVS	-	Ground terminal
108	DAVC	-	Power supply terminal (+3.3V)
109	AVCC	-	Power supply terminal (+3.3V)
110	AVRH	I	Reference voltage input terminal (+3.3V)
111	AVSS	-	Ground terminal
112	VSS	-	Ground terminal
113, 114	KEY0, KEY1	I	Key input terminal Not used
115 to 120	-	-	Not used

DMPORT BOARD IC6801 F2602E-01-TR (XM RECEIVER)

Pin No.	Pin Name	I/O	Description
1	LSOPTXRX	-	Not used
2	VSS	-	Ground terminal
3	SCTXOUT	O	Serial data output to the system controller
4	VDD	-	Power supply terminal (+3.3V)
5	SCRXIN	I	Serial data input from the system controller
6	VSS	-	Ground terminal
7	COMMSEL	I	Command mode selection signal input terminal Not used
8	VDD	-	Power supply terminal (+3.3V)
9	$\overline{\text{IRQ}}$	O	Interrupt request signal output terminal Not used
10	VSS	-	Ground terminal
11	$\overline{\text{RESET}}$	I	Reset signal input from the system controller "L": reset
12	SLAVESL	I	Master/slave mode selection signal input terminal "L": master mode, "H": slave mode Fixed at "L" in this set
13	COMRXDIG	-	Not used
14	COMTXDIG	-	Not used
15	COMTXEN	-	Not used
16	VSS	-	Ground terminal
17	VDD	-	Power supply terminal (+3.3V)
18	COMRXP	I	XM receiver differential signal (positive) input from the XM connector
19	COMRXM	I	XM receiver differential signal (negative) input from the XM connector
20	VDD	-	Power supply terminal (+3.3V)
21	VSS	-	Ground terminal
22	COMTXM	O	XM transmitter differential signal (negative) output to the XM connector
23	COMTXP	O	XM transmitter differential signal (positive) output to the XM connector
24, 25	VSS	-	Ground terminal
26	OSCOUT	O	System clock output terminal (45.1584 MHz)
27	VDD	-	Power supply terminal (+3.3V)
28	OSCIN	I	System clock input terminal (45.1584 MHz)
29	VSS	-	Ground terminal
30	TEST	-	Not used
31	VSS	-	Ground terminal
32	HSDPDATA	-	Not used
33	VDD	-	Power supply terminal (+3.3V)
34	HSDPCLK	-	Not used
35	VSS	-	Ground terminal
36	HSDPEN	-	Not used
37	I2SDATA	O	I2S digital audio data output to the D/A converter (for XM section)
38	VSS	-	Ground terminal
39	I2SSCLK	O	I2S bit clock signal output to the D/A converter (for XM section)
40	VDD	-	Power supply terminal (+3.3V)
41	I2SLRCLK	O	I2S L/R sampling clock signal output to the D/A converter (for XM section)
42	VSS	-	Ground terminal
43	I2SOCLK	O	I2S over sample clock signal output to the D/A converter (for XM section)
44	VSS	-	Ground terminal
45	SAIICLK	-	Not used
46	VDD	-	Power supply terminal (+3.3V)
47	SAIIDATA	-	Not used
48	SAIIEN	-	Not used

D VIDEO BOARD IC3511 SII9135CTU (HDMI RECEIVER)

Pin No.	Pin Name	I/O	Description
1 to 3	Q10 to Q8	O	Serial data output to the HDMI transmitter and video processor1
4	IOGND	-	Ground terminal
5	ODCK	O	Output data clock signal output to the clock generator
6	IOVCC33	-	Power supply terminal (+3.3V)
7 to 10	Q7 to Q4	O	Serial data output to the HDMI transmitter and video processor1
11	CGND	-	Ground terminal
12	CVCC18	-	Power supply terminal (+1.8V)
13, 14	Q3, Q2	O	Serial data output to the HDMI transmitter and video processor1
15, 16	Q1, Q0	O	Serial data output to the HDMI transmitter
17	IOGND	-	Ground terminal
18	IOVCC33	-	Power supply terminal (+3.3V)
19	DE	O	Data enable signal output to the HDMI transmitter and video processor1
20	HSYNC	O	Horizontal sync signal output to the HDMI transmitter and video processor1
21	VSYNC	O	Vertical sync signal output to the HDMI transmitter and video processor1
22	EVNODD	-	Not used
23	CGND	-	Ground terminal
24, 25	CVCC18	-	Power supply terminal (+1.8V)
26	CSDA	I/O	I2C data bus with the EEPROM, HDMI transmitter, video system controller and D/A converter (for video section),
27	CSCL	I	I2C clock signal input from the video system controller
28	DSDA1	I/O	I2C data bus with the HDMI input selector and EEPROM
29	DSCL1	I	I2C clock signal input from the HDMI input selector
30	R1PWR5V	I	Power supply voltage (+5V) input from the HDMI connector
31	IOGND	-	Ground terminal
32	IOVCC33	-	Power supply terminal (+3.3V)
33	DSDA0	I/O	I2C data bus with the HDMI input selector and EEPROM
34	DSCL0	I	I2C clock signal input from the HDMI input selector
35	R0PWR5V	I	Power supply voltage (+5V) input from the HDMI connector
36	AGND	-	Ground terminal
37	AVCC18	-	Power supply terminal (+1.8V)
38	AVCC33	-	Power supply terminal (+3.3V)
39	R0XC-	I	TMDS clock (negative) signal input from the HDMI input selector
40	R0XC+	I	TMDS clock (positive) signal input from the HDMI input selector
41	AGND	-	Ground terminal
42	AVCC33	-	Power supply terminal (+3.3V)
43	R0X0-	I	TMDS data (negative) input from the HDMI input selector
44	R0X0+	I	TMDS data (positive) input from the HDMI input selector
45	AGND	-	Ground terminal
46	AVCC33	-	Power supply terminal (+3.3V)
47	R0X1-	I	TMDS data (negative) input from the HDMI input selector
48	R0X1+	I	TMDS data (positive) input from the HDMI input selector
49	AGND	-	Ground terminal
50	AVCC33	-	Power supply terminal (+3.3V)
51	R0X2-	I	TMDS data (negative) input from the HDMI input selector
52	R0X2+	I	TMDS data (positive) input from the HDMI input selector
53	AGND	-	Ground terminal
54	AVCC18	-	Power supply terminal (+1.8V)
55	RSVDNC	-	Not used
56	AVCC33	-	Power supply terminal (+3.3V)
57	R1XC-	I	TMDS clock (negative) signal input from the HDMI input selector
58	R1XC+	I	TMDS clock (positive) signal input from the HDMI input selector
59	AGND	-	Ground terminal
60	AVCC33	-	Power supply terminal (+3.3V)
61	R1X0-	I	TMDS data (negative) input from the HDMI input selector
62	R1X0+	I	TMDS data (positive) input from the HDMI input selector

Pin No.	Pin Name	I/O	Description
63	AGND	-	Ground terminal
64	AVCC33	-	Power supply terminal (+3.3V)
65	R1X1-	I	TMDS data (negative) input from the HDMI input selector
66	R1X1+	I	TMDS data (positive) input from the HDMI input selector
67	AGND	-	Ground terminal
68	AVCC33	-	Power supply terminal (+3.3V)
69	R1X2-	I	TMDS data (negative) input from the HDMI input selector
70	R1X2+	I	TMDS data (positive) input from the HDMI input selector
71	AGND	-	Ground terminal
72	AVCC18	-	Power supply terminal (+1.8V)
73	IOGND	-	Ground terminal
74	IOVCC33	-	Power supply terminal (+3.3V)
75	MUTEOUT	O	Audio muting control signal output terminal
76, 77	RSVDNC	-	Not used
78	SPDIF	O	S/PDIF signal output to the digital audio interface receiver, HDMI transmitter, DSP1 and DSP controller
79	CGND	-	Ground terminal
80	CVCC18	-	Power supply terminal (+1.8V)
81 to 84	SD0 to SD3	O	PCM audio signal output to the HDMI transmitter and DSP1
85	WS	O	L/R sampling clock signal output to the HDMI transmitter, DSP1 and DSP2
86	SCK	O	Bit clock signal output to the HDMI transmitter, DSP1 and DSP2
87	IOGND	-	Ground terminal
88	IOVCC33	-	Power supply terminal (+3.3V)
89	MCLK	O	Master clock signal output to the D/A converter (for video section), HDMI transmitter, DSP1 and DSP2 (US and Canadian models) Master clock signal output to the field programmable gate array, HDMI transmitter, DSP1 and DSP2 (AEP, Continental European, East European, Russian and UK models)
90	CGND	-	Ground terminal
91	CVCC18	-	Power supply terminal (+1.8V)
92	DVCC18	-	Power supply terminal (+1.8V)
93	DGND2	-	Ground terminal
94	XTALOUT	O	System clock output terminal (28.322 MHz)
95	XTALIN	I	System clock input terminal (28.322 MHz)
96	XTALVCC	-	Power supply terminal (+3.3V)
97	REGVCC	-	Power supply terminal (+3.3V)
98	RSVDNC	-	Not used
99	RSVDL	-	Not used
100	RESET#	I	Reset signal input from the video system controller "L": reset
101	SCDT	-	Not used
102	INT	O	Interrupt signal output to the video system controller
103	IOGND	-	Ground terminal
104	IOVCC33	-	Power supply terminal (+3.3V)
105	CI2CA	-	Not used
106	CGND	-	Ground terminal
107	CVCC18	-	Power supply terminal (+1.8V)
108 to 111	Q35 to Q32	O	Serial data output to the HDMI transmitter and video processor1
112	IOGND	-	Ground terminal
113	IOVCC33	-	Power supply terminal (+3.3V)
114 to 117	Q31 to Q28	O	Serial data output to the HDMI transmitter and video processor1
118	CGND	-	Ground terminal
119	CVCC18	-	Power supply terminal (+1.8V)
120, 121	Q27, Q26	O	Serial data output to the HDMI transmitter and video processor1
122, 123	Q25, Q24	O	Serial data output to the HDMI transmitter
124	IOGND	-	Ground terminal
125	IOVCC33	-	Power supply terminal (+3.3V)
126 to 129	Q23 to Q20	O	Serial data output to the HDMI transmitter and video processor1
130	CGND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
131	CVCC	-	Power supply terminal (+1.8V)
132 to 135	Q19 to Q16	O	Serial data output to the HDMI transmitter and video processor1
136	IOGND	-	Ground terminal
137	IOVCC33	-	Power supply terminal (+3.3V)
138 to 141	Q15 to Q12	O	Serial data output to the HDMI transmitter and video processor1
142	CGND	-	Ground terminal
143	CVCC18	-	Power supply terminal (+1.8V)
144	Q11	O	Serial data output to the HDMI transmitter and video processor1

D VIDEO BOARD IC3513, 3514 SII9134CTU (HDMI TRANSMITTER)

Pin No.	Pin Name	I/O	Description
1	DE	I	Data enable signal input from the HDMI receiver and video processor1
2	HSYNC	I	Horizontal sync signal input from the HDMI receiver and video processor1
3	VSYNC	I	Vertical sync signal input from the HDMI receiver and video processor1
4	SPDIF	I	S/PDIF signal input from the HDMI receiver
5	MCLK	I	Master clock signal input from the HDMI receiver
6 to 9	SD3 to SD0	I	PCM audio signal input from the HDMI receiver
10	WS	I	L/R sampling clock signal input from the HDMI receiver
11	SCK	I	Bit clock signal input from the HDMI receiver
12	CVCC18	-	Power supply terminal (+1.8V)
13	GND	-	Ground terminal
14	IOVCC33	-	Power supply terminal (+3.3V)
15	DCLK	I	Bit clock signal input from the HDMI receiver
16	DR0	I	L/R sampling clock signal input from the HDMI receiver
17 to 20	DL0, DR1, DL1, DR2	I	PCM audio signal input from the HDMI receiver
21	DL2	I	S/PDIF signal input from the HDMI receiver
22	DR3	I	Not used
23	DL3	I	Not used
24	INT	O	Interrupt signal output to the video system controller
25	RESET#	I	Reset signal input from the video system controller "L": reset
26	AGND	-	Ground terminal
27	EXT_SWG	-	Not used
28	PVCC1	-	Power supply terminal (+1.8V)
29	AGND	-	Ground terminal
30	TXC-	O	TMDS clock (negative) output to the HDMI OUT connector
31	TXC+	O	TMDS clock (positive) output to the HDMI OUT connector
32	AVCC18	-	Power supply terminal (+1.8V)
33	TX0-	O	TMDS data (negative) output to the HDMI OUT connector
34	TX0+	O	TMDS data (positive) output to the HDMI OUT connector
35	AGND	-	Ground terminal
36	TX1-	O	TMDS data (negative) output to the HDMI OUT connector
37	TX1+	O	TMDS data (positive) output to the HDMI OUT connector
38	AVCC18	-	Power supply terminal (+1.8V)
39	TX2-	O	TMDS data (negative) output to the HDMI OUT connector
40	TX2+	O	TMDS data (positive) output to the HDMI OUT connector
41	AGND	-	Ground terminal
42	PVCC2	-	Power supply terminal (+1.8V)
43	AGND	-	Ground terminal
44	AVCC33	-	Power supply terminal (+3.3V)
45	DCCPWR5V	I	Power supply voltage (+5V) input terminal
46	DSCL	O	I2C clock signal output to the HDMI OUT connector
47	DSDA	I/O	I2C data bus with the HDMI OUT connector
48	CSCL	I	I2C clock signal input from the video system controller
49	CSDA	I/O	I2C data bus with the EEPROM, HDMI receiver, video system controller and D/A converter (for video section),
50	CI2CA	-	Not used
51	HPD	I	Hot plug detection signal input from the HDMI OUT connector
52	TMODE	-	Not used
53	IOVCC33	-	Power supply terminal (+3.3V)
54	GND	-	Ground terminal
55	VPP18	-	Power supply terminal (+1.8V)
56 to 63	D35 to D28	I	Serial data input from the HDMI receiver and video processor1
64	CVCC18	-	Power supply terminal (+1.8V)
65	GND	-	Ground terminal
66	IOVCC33	-	Power supply terminal (+3.3V)
67, 68	D27, D26	I	Serial data input from the HDMI receiver and video processor1

Pin No.	Pin Name	I/O	Description
69, 70	D25, D24	I	Serial data input from the HDMI receiver
71 to 75	D23 to D19	I	Serial data input from the HDMI receiver and video processor1
76	CVCC18	-	Power supply terminal (+1.8V)
77 to 81	D18 to D14	I	Serial data input from the HDMI receiver and video processor1
82, 83	D13, D12	I	Serial data input from the HDMI receiver
84 to 86	D11 to D9	I	Serial data input from the HDMI receiver and video processor1
87	GND	-	Ground terminal
88	IDCK	I	Output data clock signal input from the clock generator
89	IOVCC33	-	Power supply terminal (+3.3V)
90 to 98	D8 to D0	I	Serial data input from the HDMI receiver and video processor1
99	CVCC18	-	Power supply terminal (+1.8V)
100	GND	-	Ground terminal

D VIDEO BOARD IC3601 FLI8668-LF-BC (VIDEO PROCESSOR1)

Pin No.	Pin Name	I/O	Description
A1	NC	-	Not used
A2	MSTR1_SDA	O	Power detection signal output to the video system controller
A3	MSTR1_SCL	I	Busy signal input from the video system controller
A4, A5	FSDATA1, FSDATA3	I/O	Two-way data bus with the SD-RAM
A6	FSDQM0	O	Data mask signal output to the SD-RAM (upper byte)
A7 to A10	FSDATA5, FSDATA7, FSDATA9, FSDATA11	I/O	Two-way data bus with the SD-RAM
A11	FSDQM1	O	Data mask signal output to the SD-RAM (lower byte)
A12, A13	FSDATA13, FSDATA15	I/O	Two-way data bus with the SD-RAM
A14	VDDA18_DLL	-	Power supply terminal (+1.8V)
A15, A16	FSDATA17, FSDATA19	I/O	Two-way data bus with the SD-RAM
A17	FSDQS2	O	Data strobe signal output to the SD-RAM (upper byte)
A18 to A21	FSDATA21, FSDATA23, FSDATA25, FSDATA27	I/O	Two-way data bus with the SD-RAM
A22	FSDQS3	O	Data strobe signal output to the SD-RAM (lower byte)
A23, A24	FSDATA29, FSDATA31	I/O	Two-way data bus with the SD-RAM
A25, A26	RPLL_AGND	-	Ground terminal
B1	BDATA0	I	Digital video signal input from the HDMI receiver
B2	OCM_UDO_1	O	Serial data output to the video system controller
B3	OCM_UDI_1	I	Serial data input from the video system controller
B4, B5	FSDATA0, FSDATA2	I/O	Two-way data bus with the SD-RAM
B6	FSDQS0	O	Data strobe signal output to the SD-RAM (upper byte)
B7 to B10	FSDATA4, FSDATA6, FSDATA8, FSDATA10	I/O	Two-way data bus with the SD-RAM
B11	FSDQS1	O	Data strobe signal output to the SD-RAM (lower byte)
B12, B13	FSDATA12, FSDATA14	I/O	Two-way data bus with the SD-RAM
B14	VSSA18_DLL	-	Ground terminal
B15, B16	FSDATA16, FSDATA18	I/O	Two-way data bus with the SD-RAM
B17	FSDQM2	O	Data mask signal output to the SD-RAM (upper byte)
B18 to B21	FSDATA20, FSDATA22, FSDATA24, FSDATA26	I/O	Two-way data bus with the SD-RAM
B22	FSDQM3	O	Data mask signal output to the SD-RAM (lower byte)
B23, B24	FSDATA28, FSDATA30	I/O	Two-way data bus with the SD-RAM
B25	RPLL_DGND	-	Ground terminal
B26	XTAL	O	System clock output terminal Not used
C1 to C3	BDATA3 to BDATA1	I	Digital video signal input from the HDMI receiver
C4	FSCKE	O	Clock enable signal output to the SD-RAM
C5	FSCLKN	O	Clock signal (negative) output to the SD-RAM
C6 to C8	FSADDR8 to FSADDR6	O	Address signal output to the SD-RAM
C9	FSVREF	O	Reference voltage output to the SD-RAM
C10 to C18	FSADDR5, FSADDR12, FSADDR9, FSADDR4, FSADDR11, FSADDR3 to FSADDR0	O	Address signal output to the SD-RAM
C19	FSVREF	O	Reference voltage output to the SD-RAM
C20, C21	FSBKSEL1, FSBKSEL0	O	Bank select signal output to the SD-RAM
C22	FSCS1	O	Chip select signal output terminal Not used
C23	FSWE	O	Write enable signal output to the SD-RAM
C24	FSRAS	O	Row address strobe signal output to the SD-RAM
C25	RPLL_1.8V	-	Power supply terminal (+1.8V)
C26	TCLK	I	System clock input terminal (19.6608 MHz)
D1 to D3	BDATA6 to BDATA4	I	Digital video signal input from the HDMI receiver
D4	DDR_2.5V	-	Power supply terminal (+2.5V)
D5	FSCLKP	O	Clock signal (positive) output to the SD-RAM
D6 to D8	DDR_2.5V	-	Power supply terminal (+2.5V)
D9	FSVREFVSS	-	Ground terminal

Pin No.	Pin Name	I/O	Description
D10 to D15	DDR_2.5V	-	Power supply terminal (+2.5V)
D16	FSADDR10	O	Address signal output to the SD-RAM
D17, D18	DDR_2.5V	-	Power supply terminal (+2.5V)
D19	FSVREFVSS	-	Ground terminal
D20	DDR_2.5V	-	Power supply terminal (+2.5V)
D21	FSCS0	O	Chip select signal output to the SD-RAM
D22, D23	DDR_2.5V	-	Power supply terminal (+2.5V)
D24	FSCAS	O	Column address strobe signal output to the SD-RAM
D25	NC	-	Not used
D26	RPLL_3.3V	-	Power supply terminal (+3.3V)
E1 to E3	BDATA9 to BDATA7	I	Digital video signal input terminal Not used
E4	IO_3.3V	-	Power supply terminal (+3.3V)
E23, E24	PD22, PD23	O	Digital video signal output to the HDMI transmitter and D/A converter (for video section)
E25	LVDS_GND	-	Ground terminal
E26	LVDS_3.3V	-	Power supply terminal (+3.3V)
F1 to F3	BDATA12 to BDATA10	I	Digital video signal input terminal Not used
F4	IO_3.3V	-	Power supply terminal (+3.3V)
F23 to F26	PD18 to PD21	O	Digital video signal output to the HDMI transmitter and D/A converter (for video section)
G1 to G3	BDATA15 to BDATA13	I	Digital video signal input terminal Not used
G4	IO_3.3V	-	Power supply terminal (+3.3V)
G23 to G26	PD14 to PD17	O	Digital video signal output to the HDMI transmitter and D/A converter (for video section)
H1 to H3	BDATA18 to BDATA16	I	Digital video signal input terminal Not used
H4	IO_3.3V	-	Power supply terminal (+3.3V)
H23	LVDS_PLL_GND	-	Ground terminal
H24	LVDS_PLL_3.3V	-	Power supply terminal (+3.3V)
H25	LVDS_GND	-	Ground terminal
H26	LVDS_3.3V	-	Power supply terminal (+3.3V)
J1 to J3	BDATA21 to BDATA19	I	Digital video signal input terminal Not used
J4	IO_3.3V	-	Power supply terminal (+3.3V)
J23, J24	PD12, PD13	O	Digital video signal output to the HDMI transmitter and D/A converter (for video section)
J25	LVDS_GND	-	Ground terminal
J26	LVDS_3.3V	-	Power supply terminal (+3.3V)
K1	BHREF_DE	I	Blanking period signal input terminal Not used
K2, K3	BDATA23, BDATA22	I	Digital video signal input terminal Not used
K4	IO_3.3V	-	Power supply terminal (+3.3V)
K10, K11	CORE_1.8V	-	Power supply terminal (+1.8V)
K12 to K15	D_GND	-	Ground terminal
K16, K17	CORE_1.8V	-	Power supply terminal (+1.8V)
K23 to K26	PD8 to PD11	O	Digital video signal output to the HDMI transmitter and D/A converter (for video section)
L1	IPCLK3	I	Clock signal input terminal Not used
L2	BVS	I	Vertical sync signal input terminal Not used
L3	BHS	I	Horizontal sync signal input terminal Not used
L4	IO_3.3V	-	Power supply terminal (+3.3V)
L10	D_GND	-	Ground terminal
L11	CORE_1.8V	-	Power supply terminal (+1.8V)
L12 to L15	D_GND	-	Ground terminal
L16	CORE_1.8V	-	Power supply terminal (+1.8V)
L17	D_GND	-	Ground terminal
L23 to L26	PD4 to PD7	O	Digital video signal output to the HDMI transmitter
M1	DIP_CLEAN_HS_OUT	O	Horizontal sync signal output terminal Not used
M2	DIP_EXT_CLAMP	-	Not used
M3	DIP_EXT_COAST	-	Not used
M4	IPCLK2	I	Dot clock signal input terminal Not used
M10 to M17	D_GND	-	Ground terminal

Pin No.	Pin Name	I/O	Description
M23	IO_3.3V	-	Power supply terminal (+3.3V)
M24, M25	LVDS_GND	-	Ground terminal
M26	LVDS_3.3V	-	Power supply terminal (+3.3V)
N1	IPCLK0	I	Clock signal input terminal Not used
N2	DIP_RAW_HS_CS	-	Not used
N3	DIP_AODD	-	Not used
N4	DIP_BODD	-	Not used
N10 to N17	D_GND	-	Ground terminal
N23 to N26	PD0 to PD3	O	Digital video signal output to the HDMI transmitter
P1 to P3	ADATA2 to ADATA0	I	Digital video signal input from the HDMI receiver
P4	IPCLK1	I	Output data clock signal input from the clock generator
P10 to P17	D_GND	-	Ground terminal
P23	IO_3.3V	-	Power supply terminal (+3.3V)
P24	DCLK	O	Output data clock signal output to the clock generator
P25	DHS	O	Horizontal sync signal output to the HDMI transmitter and D/A converter (for video section)
P26	DEN	O	Data enable signal output to the HDMI transmitter and D/A converter (for video section)
R1 to R4	ADATA6 to ADATA3	I	Digital video signal input from the HDMI receiver
R10 to R17	D_GND	-	Ground terminal
R23	JTAG_BS_TDI	O	Digital video signal output to the HDMI transmitter
R24	JTAG_BS_RST	O	Digital video signal output to the HDMI transmitter
R25	JTAG_BS_TCK	O	Digital video signal output to the HDMI transmitter
R26	DVS	O	Vertical sync signal output to the HDMI transmitter and D/A converter (for video section)
T1 to T4	ADATA10 to ADATA7	I	Digital video signal input from the HDMI receiver
T10	D_GND	-	Ground terminal
T11	CORE_1.8V	-	Power supply terminal (+1.8V)
T12 to T15	D_GND	-	Ground terminal
T16, T17	CORE_1.8V	-	Power supply terminal (+1.8V)
T23	IO_3.3V	-	Power supply terminal (+3.3V)
T24	JTAG_BS_TMS	O	Digital video signal output to the HDMI transmitter
T25	JTAG_BS_TDO	O	Digital video signal output to the HDMI transmitter
T26	GPIO_44	O	Digital video signal output to the HDMI transmitter
U1 to U4	ADATA14 to ADATA11	O	Digital video signal output to the HDMI transmitter
U10, U11	CORE_1.8V	-	Power supply terminal (+1.8V)
U12 to U15	D_GND	-	Ground terminal
U16, U17	CORE_1.8V	-	Power supply terminal (+1.8V)
U23, U24	PWM1, PWM2	-	Not used
U25	PPWR	-	Not used
U26	PBIAS	-	Not used
V1 to V4	ADATA18 to ADATA15	O	Digital video signal output to the HDMI transmitter
V23	IO_3.3V	-	Power supply terminal (+3.3V)
V24	PWM0	-	Not used
V25	SLAVE_SDA	-	Not used
V26	SLAVE_SCL	-	Not used
W1 to W4	ADATA22 to ADATA19	O	Digital video signal output to the HDMI transmitter
W23	OCM_INT1	-	Not used
W24	OCM_TIMER1	-	Not used
W25	OCM_UDI_0	-	Not used
W26	ODM_UDO_0	-	Not used
Y1	AVS	I	Vertical sync signal input from the HDMI receiver
Y2	AHS	I	Horizontal sync signal input from the HDMI receiver
Y3	AHREF_DE	I	Data enable signal input from the HDMI receiver
Y4	ADATA23	I	Digital video signal input from the HDMI receiver
Y23	IO_3.3V	-	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
Y24	OCM_INT2	-	Not used
Y25	VGA1_SDA	-	Not used
Y26	VGA1_SCL	-	Not used
AA1	NC	-	Not used
AA2 to AA4	DGND_ADC	-	Ground terminal
AA23	MSTR0_SDA	I/O	Two-way data bus with the EEPROM
AA24	MSTR0_SCL	O	Serial clock signal output to the EEPROM
AA25	VGA0_SDA	-	Not used
AA26	VGA0_SCL	-	Not used
AB1	A1P	I	Component video signal (PR/CR) input from the COMPONENT VIDEO IN jack
AB2	SV1P	I	Analog video signal (R) input from the OSD controller
AB3	AGND_ADC	-	Ground terminal
AB4	ADC_1.8V	-	Power supply terminal (+1.8V)
AB23	IO_3.3V	-	Power supply terminal (+3.3V)
AB24	IRO	-	Not used
AB25	MSTR2_SDA	-	Not used
AB26	MSTR2_SCL	-	Not used
AC1	C1P	I	Component video signal (Y) input from the COMPONENT VIDEO IN jack
AC2	B1P	I	Component video signal (PB/CB) input from the COMPONENT VIDEO IN jack
AC3	AGND_ADC	-	Ground terminal
AC4, AC5	ADC_1.8V	-	Power supply terminal (+1.8V)
AC6	AGND_ADC	-	Ground terminal
AC7	VOUT2	-	Not used
AC8	AGND_ADC	-	Ground terminal
AC9	LBADC_3.3V	-	Power supply terminal (+3.3V)
AC10	LBADC_IN4	-	Not used
AC11	LBADC_GND	-	Ground terminal
AC12	AVSIN_DATA	-	Not used
AC13	EXTOSD_HS	-	Not used
AC14	IO_3.3V	-	Power supply terminal (+3.3V)
AC15	OCMADDR18	O	Address signal output to the flash memory
AC16	IO_3.3V	-	Power supply terminal (+3.3V)
AC17	OCMADDR11	O	Address signal output to the flash memory
AC18	IO_3.3V	-	Power supply terminal (+3.3V)
AC19	OCMADDR4	O	Address signal output to the flash memory
AC20	IO_3.3V	-	Power supply terminal (+3.3V)
AC21	OCMDATA13	I/O	Two-way data bus with the flash memory
AC22	IO_3.3V	-	Power supply terminal (+3.3V)
AC23	OCMDATA6	I/O	Two-way data bus with the flash memory
AC24	OCM_CS2N	O	Chip select signal output terminal Not used
AC25	OCN_RE_N	O	Read enable signal output to the flash memory
AC26	OCN_WE_N	O	Write enable signal output to the flash memory
AD1	AN	-	Not used
AD2	AGND_ADC	-	Ground terminal
AD3 to AD5	ADC1_3.3V	-	Power supply terminal (+3.3V)
AD6, AD7	ADC2_3.3V	-	Power supply terminal (+3.3V)
AD8	AGND_ADC	-	Ground terminal
AD9	RESET	I	Reset signal input from the video system controller "L": reset
AD10	LBADC_IN3	-	Not used
AD11	LBADC_RETURN	-	Not used
AD12	AVSIN_WORDSEL	-	Not used
AD13	EXTOSD_VS	-	Not used
AD14	AVSOUT_DATA	-	Not used

Pin No.	Pin Name	I/O	Description
AD15 to AD20	OCMADDR19, OCMADDR15, OCMADDR12, OCMADDR8, OCMADDR5, OCMADDR1	O	Address signal output to the flash memory
AD21 to AD23	OCMDATA14, OCMDATA10, OCMDATA7	I/O	Two-way data bus with the flash memory
AD24	ROM_CS_N	O	Chip enable signal output to the flash memory
AD25, AD26	OCM_CS0N, OCM_CS1N	O	Chip select signal output terminal Not used
AE1	SV2P	I	Analog video signal (G) input from the OSD controller
AE2	B2P	-	Not used
AE3	AGND_ADC	-	Ground terminal
AE4	SV3P	I	Analog video signal (B) input from the OSD controller
AE5	B3P	I	Composite video signal input from the EXT VIDEO IN jack
AE6	AGND_ADC	-	Ground terminal
AE7	SV4P	-	Not used
AE8	BN2	-	Not used
AE9	AGND_ADC	-	Ground terminal
AE10, AE11	LBADC_IN2, LBADC_IN6	-	Not used
AE12	AIP_RAW_VS	I	Vertical sync signal input from the OSD controller
AE13	AVSOUT_SCL	-	Not used
AE14	AVSOUT_WORDSEL	-	Not used
AE15 to AE20	OCMADDR20, OCMADDR16, OCMADDR13, OCMADDR9, OCMADDR6, OCMADDR2	O	Address signal output to the flash memory
AE21 to AE26	OCMDATA15, OCMDATA11, OCMDATA8, OCMDATA2 to OCMDATA0	I/O	Two-way data bus with the flash memory
AF1	A2P	-	Not used
AF2	C2P	-	Not used
AF3	BN	-	Not used
AF4	A3P	I	Composite video signal input from VIDEO IN 1 jack
AF5	C3P	I	Composite video signal input from VIDEO IN 2 jack
AF6	CN	-	Not used
AF7	AN2	-	Not used
AF8	CN2	-	Not used
AF9	SVN	-	Not used
AF10	LBADC_IN1	I	Wake-up signal input from the video system controller
AF11	LBADC_IN5	-	Not used
AF12	AIP_RAW_HS_CS	I	Horizontal sync signal input from the OSD controller
AF13	EXTOSD_CLK	-	Not used
AF14	AVSIN_SCL	-	Not used
AF15 to AF20	OCMADDR21, OCMADDR17, OCMADDR14, OCMADDR10, OCMADDR7, OCMADDR3	O	Address signal output to the flash memory
AF21	OCMADDR0	O	Address signal output terminal Not used
AF22 to AF26	OCMDATA12, OCMDATA9, OCMDATA5 to OCMDATA3	I/O	Two-way data bus with the flash

D VIDEO BOARD IC3604 YGV629-VZ (OSD CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	PLLVDD	-	Power supply terminal (+3.3V)
2	FILTER	I	Filter connection terminal for internal PLL
3	PLLVSS	-	Ground terminal
4	NC	-	Not used
5 to 10	PLLCTL5 to PLLCTL0	I	PLL setting terminal
11	DTCKS_N	I	Clock signal input terminal Not used
12	DTCK_IN	I	Clock signal input terminal Not used
13	VSS	-	Ground terminal
14	VDD	-	Power supply terminal (+3.3V)
15 to 22	D0 to D7	I/O	Two-way data bus with the video system controller and S-RAM
23	WAIT_N	O	Wait signal output to the video system controller
24	READY_N	O	Ready signal output terminal Not used
25	INT_N	O	Interrupt signal output to the video system controller
26	VDD	-	Power supply terminal (+3.3V)
27	VSS	-	Ground terminal
28	CS_N	I	Chip enable signal input from the video system controller
29	WR_N	I	Write enable signal input from the video system controller
30	RD_N	I	Read enable signal input from the video system controller
31 to 33	PS2 to PS0	I	Address signal input from the video system controller
34	SDOUT	O	Serial data output terminal Not used
35	SDIN	I	Serial data input terminal Not used
36	SCS_N	I	Chip select signal input terminal Not used
37	SCLK	I	Serial data transfer clock signal input terminal Not used
38	SER_N	I	CPU interface selection setting terminal Fixed at "H" in this set
39	RESET_N	I	Reset signal input from the video system controller "L": reset
40	VSS	-	Ground terminal
41	VDD	-	Power supply terminal (+3.3V)
42	MA0	O	Address signal output terminal Not used
43 to 47	MA1 to MA5	O	Address signal output to the flash memory
48	VSS	-	Ground terminal
49 to 54	MA6 to MA11	O	Address signal output to the flash memory
55	VDD	-	Power supply terminal (+3.3V)
56	VSS	-	Ground terminal
57 to 62	MA12 to MA17	O	Address signal output to the flash memory
63	VSS	-	Ground terminal
64 to 70	MA18 to MA24	O	Address signal output to the flash memory
71	VDD	-	Power supply terminal (+3.3V)
72	VSS	-	Ground terminal
73	MWE_N	O	Write enable signal output to the flash memory
74	MOE_N	O	Output enable signal output to the flash memory
75 to 80	MD15, MD7, MD14, MD6, MD13, MD5	I/O	Two-way data bus with the flash memory
81	VSS	-	Ground terminal
82	VDD	-	Power supply terminal (+3.3V)
83 to 90	MD12, MD4, MD11, MD3, MD10, MD2, MD9, MD1	I/O	Two-way data bus with the flash memory
91	VSS	-	Ground terminal
92	VDD	-	Power supply terminal (+3.3V)
93, 94	MD8, MD0	I/O	Two-way data bus with the flash memory
95	RAHZ_N	-	Not used
96 to 98	XTEST2 to XTEST0	-	Not used
99	VSIN_N	I	Vertical sync signal input terminal Not used
100	HSIN_N	I	Horizontal sync signal input terminal Not used
101	NC	-	Not used

Pin No.	Pin Name	I/O	Description
102	AVDD	-	Power supply terminal (+3.3V)
103	R	O	Analog video (R) signal output to the video processor1
104	G	O	Analog video (G) signal output to the video processor1
105	B	O	Analog video (B) signal output to the video processor1
106	IREF	I	Reference voltage (+3.3V) input terminal
107	AVSS	-	Ground terminal
108	NC	-	Not used
109	VDD	-	Power supply terminal (+3.3V)
110	VSS	-	Ground terminal
111 to 116	DR0 to DR5	O	Digital video (R) signal output terminal Not used
117	VSS	-	Ground terminal
118	VDD	-	Power supply terminal (+3.3V)
119 to 124	DG0 to DG5	O	Digital video (G) signal output terminal Not used
125	VSS	-	Ground terminal
126	VDD	-	Power supply terminal (+3.3V)
127 to 132	DB0 to DB5	O	Digital video (B) signal output terminal Not used
133	VSS	-	Ground terminal
134	FSC	-	Not used
135	YS_N	-	Not used
136	VSYNC_N	O	Vertical sync signal output to the video processor1
137	HSYNC_N	O	Horizontal sync signal output to the video processor1
138	BLANK_N	O	Blanking period signal output terminal Not used
139	DOTCLK	O	Dot clock signal output terminal Not used
140	VDD	-	Power supply terminal (+3.3V)
141	XIN	I	System clock input terminal (33.2 MHz)
142	XOUT	O	System clock output terminal (33.2 MHz)
143	VSS	-	Ground terminal
144	NC	-	Not used

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Pin No.	Pin Name	I/O	Description
A1	NC	-	Not used
A2	MSTR1_SDA	O	Power detection signal output to the video system controller
A3	MSTR1_SCL	O	Busy signal output to the video system controller
A4, A5	FSDATA1, FSDATA3	I/O	Two-way data bus with the SD-RAM
A6	FSDQM0	O	Data mask signal output to the SD-RAM (upper byte)
A7 to A10	FSDATA5, FSDATA7, FSDATA9, FSDATA11	I/O	Two-way data bus with the SD-RAM
A11	FSDQM1	O	Data mask signal output to the SD-RAM (lower byte)
A12, A13	FSDATA13, FSDATA15	I/O	Two-way data bus with the SD-RAM
A14	VDDA18_DLL	-	Power supply terminal (+1.8V)
A15, A16	FSDATA17, FSDATA19	I/O	Two-way data bus with the SD-RAM
A17	FSDQS2	O	Data strobe signal output to the SD-RAM (upper byte)
A18 to A21	FSDATA21, FSDATA23, FSDATA25, FSDATA27	I/O	Two-way data bus with the SD-RAM
A22	FSDQS3	O	Data strobe signal output to the SD-RAM (lower byte)
A23, A24	FSDATA29, FSDATA31	I/O	Two-way data bus with the SD-RAM
A25, A26	RPLL_AGND	-	Ground terminal
B1	BDATA0	I	Digital video signal input terminal Not used
B2	OCM_UDO_1	O	Serial data output to the video system controller
B3	OCM_UDI_1	I	Serial data input from the video system controller
B4, B5	FSDATA0, FSDATA2	I/O	Two-way data bus with the SD-RAM
B6	FSDQS0	O	Data strobe signal output to the SD-RAM (upper byte)
B7 to B10	FSDATA4, FSDATA6, FSDATA8, FSDATA10	I/O	Two-way data bus with the SD-RAM
B11	FSDQS1	O	Data strobe signal output to the SD-RAM (lower byte)
B12, B13	FSDATA12, FSDATA14	I/O	Two-way data bus with the SD-RAM
B14	VSSA18_DLL	-	Ground terminal
B15, B16	FSDATA16, FSDATA18	I/O	Two-way data bus with the SD-RAM
B17	FSDQM2	O	Data mask signal output to the SD-RAM (upper byte)
B18 to B21	FSDATA20, FSDATA22, FSDATA24, FSDATA26	I/O	Two-way data bus with the SD-RAM
B22	FSDQM3	O	Data mask signal output to the SD-RAM (lower byte)
B23, B24	FSDATA28, FSDATA30	I/O	Two-way data bus with the SD-RAM
B25	RPLL_DGND	-	Ground terminal
B26	XTAL	O	System clock output terminal Not used
C1 to C3	BDATA3 to BDATA1	I	Digital video signal input terminal Not used
C4	FSCKE	O	Clock enable signal output to the SD-RAM
C5	FSCLKN	O	Clock signal (negative) output to the SD-RAM
C6 to C8	FSADDR8 to FSADDR6	O	Address signal output to the SD-RAM
C9	FSVREF	O	Reference voltage output to the SD-RAM
C10 to C18	FSADDR5, FSADDR12, FSADDR9, FSADDR4, FSADDR11, FSADDR3 to FSADDR0	O	Address signal output to the SD-RAM
C19	FSVREF	O	Reference voltage output to the SD-RAM
C20, C21	FSBKSEL1, FSBKSEL0	O	Bank select signal output to the SD-RAM
C22	FSCS1	O	Chip select signal output terminal Not used
C23	FSWE	O	Write enable signal output to the SD-RAM
C24	FSRAS	O	Row address strobe signal output to the SD-RAM
C25	RPLL_1.8V	-	Power supply terminal (+1.8V)
C26	TCLK	I	System clock input terminal (19.6608 MHz)
D1 to D3	BDATA6to BDATA4	I	Digital video signal input terminal Not used
D4	DDR_2.5V	-	Power supply terminal (+2.5V)
D5	FSCLKP	O	Clock signal (positive) output to the SD-RAM
D6 to D8	DDR_2.5V	-	Power supply terminal (+2.5V)

Pin No.	Pin Name	I/O	Description
D9	FSVREFVSS	-	Ground terminal
D10 to D15	DDR_2.5V	-	Power supply terminal (+2.5V)
D16	FSADDR10	O	Address signal output to the SD-RAM
D17, D18	DDR_2.5V	-	Power supply terminal (+2.5V)
D19	FSVREFVSS	-	Ground terminal
D20	DDR_2.5V	-	Power supply terminal (+2.5V)
D21	FSCS0	O	Chip select signal output to the SD-RAM
D22, D23	DDR_2.5V	-	Power supply terminal (+2.5V)
D24	FSCAS	O	Column address strobe signal output to the SD-RAM
D25	NC	-	Not used
D26	RPLL_3.3V	-	Power supply terminal (+3.3V)
E1 to E3	BDATA9 to BDATA7	I	Digital video signal input terminal Not used
E4	IO_3.3V	-	Power supply terminal (+3.3V)
E23, E24	PD22, PD23	O	Digital video signal output terminal Not used
E25	LVDS_GND	-	Ground terminal
E26	LVDS_3.3V	-	Power supply terminal (+3.3V)
F1 to F3	BDATA12 to BDATA10	I	Digital video signal input terminal Not used
F4	IO_3.3V	-	Power supply terminal (+3.3V)
F23 to F26	PD18 to PD21	O	Digital video signal output to the D/A converter (for video section)
G1 to G3	BDATA15 to BDATA13	I	Digital video signal input terminal Not used
G4	IO_3.3V	-	Power supply terminal (+3.3V)
G23 to G26	PD14 to PD17	O	Digital video signal output to the D/A converter (for video section)
H1 to H3	BDATA18 to BDATA16	I	Digital video signal input terminal Not used
H4	IO_3.3V	-	Power supply terminal (+3.3V)
H23	LVDS_PLL_GND	-	Ground terminal
H24	LVDS_PLL_3.3V	-	Power supply terminal (+3.3V)
H25	LVDS_GND	-	Ground terminal
H26	LVDS_3.3V	-	Power supply terminal (+3.3V)
J1 to J3	BDATA21 to BDATA19	I	Digital video signal input terminal Not used
J4	IO_3.3V	-	Power supply terminal (+3.3V)
J23, J24	PD12, PD13	O	Digital video signal output to D/A converter (for video section)
J25	LVDS_GND	-	Ground terminal
J26	LVDS_3.3V	-	Power supply terminal (+3.3V)
K1	BHREF_DE	I	Blanking period signal input terminal Not used
K2, K3	BDATA23, BDATA22	I	Digital video signal input terminal Not used
K4	IO_3.3V	-	Power supply terminal (+3.3V)
K10, K11	CORE_1.8V	-	Power supply terminal (+1.8V)
K12 to K15	D_GND	-	Ground terminal
K16, K17	CORE_1.8V	-	Power supply terminal (+1.8V)
K23 to K26	PD8 to PD11	O	Digital video signal output to the D/A converter (for video section)
L1	IPCLK3	I	Clock signal input terminal Not used
L2	BVS	I	Vertical sync signal input terminal Not used
L3	BHS	I	Horizontal sync signal input terminal Not used
L4	IO_3.3V	-	Power supply terminal (+3.3V)
L10	D_GND	-	Ground terminal
L11	CORE_1.8V	-	Power supply terminal (+1.8V)
L12 to L15	D_GND	-	Ground terminal
L16	CORE_1.8V	-	Power supply terminal (+1.8V)
L17	D_GND	-	Ground terminal
L23 to L26	PD4 to PD7	O	Digital video signal output terminal Not used
M1	DIP_CLEAN_HS_OUT	O	Horizontal sync signal output terminal Not used
M2	DIP_EXT_CLAMP	-	Not used
M3	DIP_EXT_COAST	-	Not used
M4	IPCLK2	I	Clock signal input terminal Not used

Pin No.	Pin Name	I/O	Description
M10 to M17	D_GND	-	Ground terminal
M23	IO_3.3V	-	Power supply terminal (+3.3V)
M24, M25	LVDS_GND	-	Ground terminal
M26	LVDS_3.3V	-	Power supply terminal (+3.3V)
N1	IPCLK0	I	Clock signal input terminal Not used
N2	DIP_RAW_HS_CS	-	Not used
N3	DIP_AODD	-	Not used
N4	DIP_BODD	-	Not used
N10 to N17	D_GND	-	Ground terminal
N23 to N26	PD0 to PD3	O	Digital video signal output terminal Not used
P1 to P3	ADATA2 to ADATA0	I	Digital video signal input terminal Not used
P4	IPCLK1	I	Clock signal input terminal Not used
P10 to P17	D_GND	-	Ground terminal
P23	IO_3.3V	-	Power supply terminal (+3.3V)
P24	DCLK	O	Output data clock signal output to the D/A converter (for video section)
P25	DHS	O	Horizontal sync signal output to the D/A converter (for video section)
P26	DEN	O	Data enable signal output to the D/A converter (for video section)
R1 to R4	ADATA6 to ADATA3	I	Digital video signal input terminal Not used
R10 to R17	D_GND	-	Ground terminal
R23	JTAG_BS_TDI	-	Not used
R24	JTAG_BS_RST	-	Not used
R25	JTAG_BS_TCK	-	Not used
R26	DVS	O	Vertical sync signal output to the D/A converter (for video section)
T1 to T4	ADATA10 to ADATA7	I	Digital video signal input terminal Not used
T10	D_GND	-	Ground terminal
T11	CORE_1.8V	-	Power supply terminal (+1.8V)
T12 to T15	D_GND	-	Ground terminal
T16, T17	CORE_1.8V	-	Power supply terminal (+1.8V)
T23	IO_3.3V	-	Power supply terminal (+3.3V)
T24	JTAG_BS_TMS	-	Not used
T25	JTAG_BS_TDO	-	Not used
T26	GPIO_44	-	Not used
U1 to U4	ADATA14 to ADATA11	I	Digital video signal input terminal Not used
U10, U11	CORE_1.8V	-	Power supply terminal (+1.8V)
U12 to U15	D_GND	-	Ground terminal
U16, U17	CORE_1.8V	-	Power supply terminal (+1.8V)
U23, U24	PWM1, PWM2	-	Not used
U25	PPWR	-	Not used
U26	PBIAS	-	Not used
V1 to V4	ADATA18 to ADATA15	I	Digital video signal input terminal Not used
V23	IO_3.3V	-	Power supply terminal (+3.3V)
V24	PWM0	-	Not used
V25	SLAVE_SDA	-	Not used
V26	SLAVE_SCL	-	Not used
W1 to W4	ADATA22 to ADATA19	I	Digital video signal input terminal Not used
W23	OCM_INT1	-	Not used
W24	OCM_TIMER1	-	Not used
W25	OCM_UDI_0	-	Not used
W26	ODM_UDO_0	-	Not used
Y1	AVS	I	Vertical sync signal input terminal Not used
Y2	AHS	I	Horizontal sync signal input terminal Not used
Y3	AHREF_DE	I	Data enable signal input terminal Not used

Pin No.	Pin Name	I/O	Description
Y4	ADATA23	I	Digital video signal input terminal Not used
Y23	IO_3.3V	-	Power supply terminal (+3.3V)
Y24	OCM_INT2	-	Not used
Y25	VGA1_SDA	-	Not used
Y26	VGA1_SCL	-	Not used
AA1	NC	-	Not used
AA2 to AA4	DGND_ADC	-	Ground terminal
AA23	MSTR0_SDA	I/O	Two-way data bus with the EEPROM
AA24	MSTR0_SCL	O	Serial clock signal output to the EEPROM
AA25	VGA0_SDA	-	Not used
AA26	VGA0_SCL	-	Not used
AB1	A1P	I	Video signal (PR/CR) input from the COMPONENT VIDEO IN jack
AB2	SV1P	-	Not used
AB3	AGND_ADC	-	Ground terminal
AB4	ADC_1.8V	-	Power supply terminal (+1.8V)
AB23	IO_3.3V	-	Power supply terminal (+3.3V)
AB24	IRO	-	Not used
AB25	MSTR2_SDA	-	Not used
AB26	MSTR2_SCL	-	Not used
AC1	C1P	I	Video signal (Y) input from the COMPONENT VIDEO IN jack
AC2	B1P	I	Video signal (PB/CB) input from COMPONENT VIDEO IN jack
AC3	AGND_ADC	-	Ground terminal
AC4, AC5	ADC_1.8V	-	Power supply terminal (+1.8V)
AC6	AGND_ADC	-	Ground terminal
AC7	VOUT2	-	Not used
AC8	AGND_ADC	-	Ground terminal
AC9	LBADC_3.3V	-	Power supply terminal (+3.3V)
AC10	LBADC_IN4	-	Not used
AC11	LBADC_GND	-	Ground terminal
AC12	AVSIN_DATA	-	Not used
AC13	EXTOSD_HS	-	Not used
AC14	IO_3.3V	-	Power supply terminal (+3.3V)
AC15	OCMADDR18	O	Address signal output to the flash memory
AC16	IO_3.3V	-	Power supply terminal (+3.3V)
AC17	OCMADDR11	O	Address signal output to the flash memory
AC18	IO_3.3V	-	Power supply terminal (+3.3V)
AC19	OCMADDR4	O	Address signal output to the flash memory
AC20	IO_3.3V	-	Power supply terminal (+3.3V)
AC21	OCMDATA13	I/O	Two-way data bus with the flash memory
AC22	IO_3.3V	-	Power supply terminal (+3.3V)
AC23	OCMDATA6	I/O	Two-way data bus with the flash memory
AC24	OCM_CS2N	O	Chip select signal output terminal Not used
AC25	OCN_RE_N	O	Read enable signal output to the flash memory
AC26	OCN_WE_N	O	Write enable signal output to the flash memory
AD1	AN	-	Not used
AD2	AGND_ADC	-	Ground terminal
AD3 to AD5	ADC1_3.3V	-	Power supply terminal (+3.3V)
AD6, AD7	ADC2_3.3V	-	Power supply terminal (+3.3V)
AD8	AGND_ADC	-	Ground terminal
AD9	RESET	I	Reset signal input from the video system controller "L": reset
AD10	LBADC_IN3	-	Not used
AD11	LBADC_RETURN	-	Not used
AD12	AVSIN_WORDSEL	-	Not used
AD13	EXTOSD_VS	-	Not used

Pin No.	Pin Name	I/O	Description
AD14	AVSOUT_DATA	-	Not used
AD15 to AD20	OCMADDR19, OCMADDR15, OCMADDR12, OCMADDR8, OCMADDR5, OCMADDR1	O	Address signal output to the flash memory
AD21 to AD23	OCMDATA14, OCMDATA10, OCMDATA7	I/O	Two-way data bus with the flash memory
AD24	ROM_CS_N	O	Chip enable signal output to the flash memory
AD25, AD26	OCM_CS0N, OCM_CS1N	O	Chip select signal output terminal Not used
AE1	SV2P	-	Not used
AE2	B2P	-	Not used
AE3	AGND_ADC	-	Ground terminal
AE4	SV3P	-	Not used
AE5	B3P	-	Not used
AE6	AGND_ADC	-	Ground terminal
AE7	SV4P	-	Not used
AE8	BN2	-	Not used
AE9	AGND_ADC	-	Ground terminal
AE10, AE11	LBADC_IN2, LBADC_IN6	-	Not used
AE12	AIP_RAW_VS	I	Vertical sync signal input terminal Not used
AE13	AVSOUT_SCL	-	Not used
AE14	AVSOUT_WORDSEL	-	Not used
AE15 to AE20	OCMADDR20, OCMADDR16, OCMADDR13, OCMADDR9, OCMADDR6, OCMADDR2	O	Address signal output to the flash memory
AE21 to AE26	OCMDATA15, OCMDATA11, OCMDATA8, OCMDATA2 to OCMDATA0	I/O	Two-way data bus with the flash memory
AF1	A2P	-	-Not used
AF2	C2P	-	-Not used
AF3	BN	-	Not used
AF4	A3P	I	Composite video signal input from the VIDEO 1 IN jack
AF5	C3P	-	-Not used
AF6	CN	-	Not used
AF7	AN2	-	Not used
AF8	CN2	-	Not used
AF9	SVN	-	Not used
AF10	LBADC_IN1	I	Wake-up signal input from the video system controller
AF11	LBADC_IN5	-	Not used
AF12	AIP_RAW_HS_CS	I	Horizontal sync signal input terminal Not used
AF13	EXTOSD_CLK	-	Not used
AF14	AVSIN_SCL	-	Not used
AF15 to AF20	OCMADDR21, OCMADDR17, OCMADDR14, OCMADDR10, OCMADDR7, OCMADDR3	O	Address signal output to the flash memory
AF21	OCMADDR0	O	Address signal output terminal Not used
AF22 to AF26	OCMDATA12, OCMDATA9, OCMDATA5 to OCMDATA3	I/O	Two-way data bus with the flash memory

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Pin No.	Pin Name	I/O	Description
1	GND	-	Ground terminal
2	STOP IN	I	AC off detection signal input terminal "L": AC off
3	DAC CLOCK SEL	O	Clock control signal output to the frequency multiplier for D/A converter (for video section)
4	MAIN UCOM SDA	I/O	Two-way I2C data bus with the system controller
5	MAIN UCOM SCL	I/O	Two-way I2C clock bus with the system controller
6	DAC SDA	I/O	Two-way I2C data bus with the D/A converter (for video section)
7	DAC SCL	O	I2C clock signal output to the D/A converter (for video section)
8, 9	EDID_SEL0, EDID_SEL1	O	Input data selection signal output terminal
10	NO USE	-	Not used
11, 12	+3.3V	-	Power supply terminal (+3.3V)
13	GND	-	Ground terminal
14	C_1	-	External capacitor connection terminal for internal regulator
15	YAMAHA FLASH CE	O	Chip enable signal output terminal Not used
16, 17	NO USE	-	Not used
18	YAMAHA CE	O	Chip enable signal output to the OSD controller
19	SRAM CE	O	Chip enable signal output to the S-RAM
20	NO USE	-	Not used
21	YAMAHA RESET	O	Reset signal output to the flash memory and OSD controller "L": reset
22	YAMAHA WAIT_N	I	Wait signal input from the OSD controller
23	YAMAHA READY_N	I	Ready signal input terminal Not used
24	NO USE	-	Not used
25	SRAM OE, UB, LB/ YAMAHA RD_N	O	Read enable signal output to the OSD controller and S-RAM
26	SRAM LB, WE	O	Lower-byte control signal and write enable signal output to the S-RAM
27	SRAM UB,WE/ YAMAHA WR_N	O	Write enable signal output to the OSD controller Upper-byte control signal and write enable signal output to the S-RAM
28, 29	NO USE	-	Not used
30	TX_RST1	O	Reset signal output to the HDMI transmitter "L": reset
31	TX_5VPWR1	O	Power supply on/off control signal output terminal for HDMI OUT connector "H": power on
32	VDAC_RESET	O	Reset signal output to the D/A converter (for video section) "L": reset
33, 34	NO USE	-	Not used
35	RX_RST	O	Reset signal output to the HDMI receiver "L": reset
36	+3.3V	-	Power supply terminal (+3.3V)
37	C_2	-	External capacitor connection terminal for internal regulator
38	GND	-	Ground terminal
39	X0	I	Main system clock input terminal (4 MHz)
40	X1	O	Main system clock output terminal (4 MHz)
41	GND	-	Ground terminal
42	X0A	I	Sub system clock input terminal Not used
43	X1A	O	Sub system clock output terminal Not used
44	+3.3V	-	Power supply terminal (+3.3V)
45	GND	-	Ground terminal
46 to 53	SRAM IO0 to SRAM IO7	I/O	Two-way data bus with the S-RAM
54 to 56	SRAM IO8/YAMAHA D0 to SRAM IO10/ YAMAHA D2	I/O	Two-way data bus with the OSD controller and S-RAM
57	+3.3V	-	Power supply terminal (+3.3V)
58	GND	-	Ground terminal
59 to 63	SRAM IO11/YAMAHA D3 to SRAM IO15/ YAMAHA D7	I/O	Two-way data bus with the OSD controller and S-RAM
64	YAMAHA PS0	O	Address signal output to the OSD controller
65, 66	SRAM A0/YAMAHA PS1, SRAM A1/ YAMAHA PS2	O	Address signal output to the OSD controller and S-RAM

Pin No.	Pin Name	I/O	Description
67 to 72	SRAM A2 to SRAM A7	O	Address signal output to the S-RAM
73	+3.3V	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75 to 83	SRAM A8 to SRAM A16	O	Address signal output to the S-RAM
84 to 87	NO USE	-	Not used
88	GND	-	Ground terminal
89	+3.3V	-	Power supply terminal (+3.3V)
90, 91	NO USE	-	Not used
92	NON_LPCM	O	Non-LPCM setting signal output terminal "L": LPCM
93	1444_HPD1	O	Hot plug detection control signal output to the HDMI input selector
94	1444_OEB1	O	Output enable signal output to the HDMI input selector
95, 96	+5V_SELA, +5V_SELB	O	HDMI +5V power input selection signal output terminal
97	NO USE	-	Not used
98	AUDIO MUTE REQ	O	Audio muting signal output terminal
99 to 101	1444_SELA1 to 1444_SELC1	O	HDMI input selection signal output to the HDMI input selector
102	1444_HPD2	O	Hot plug detection control signal output to the HDMI input selector
103	NO USE	-	Not used
104	1444_OEB25	O	Output enable signal output to the HDMI input selector
105, 106	NO USE	-	Not used
107 to 109	1444_SELA2 to 1444_SELC2	O	HDMI input selection signal output to the HDMI input selector
110	MAIN_FARO_WAKE	O	Wake-up signal output to the video processor1
111	FRONT_HPD	O	Not used
112	EDIO2_SEL	O	Not used
113	2nd_FARO_WAKE	O	Wake-up signal output to the video processor2
114	GND	-	Ground terminal
115, 116	+3.3V	-	Power supply terminal (+3.3V)
117	UC3V_SDA	I/O	I2C data bus with the EEPROM, HDMI receiver, HDMI transmitter and D/A converter (for video section)
118	UC3V_SCL	O	I2C clock signal output to the EEPROM, HDMI receiver, HDMI transmitter and D/A converter (for video section)
119	YAMAHA_INT_N	I	Interrupt signal input from the OSD controller
120	NO USE	-	Not used
121	RX_INT	I	Interrupt signal input from the HDMI receiver
122	NO USE	-	Not used
123	TX_INT1	I	Interrupt signal input from the HDMI transmitter
124	NO USE	-	Not used
125	Faroudjia Power DETECT	I	Power detection signal input from the video processor1
126	Faroudjia UCOM RESET	O	Reset signal output to the video processor1 and flash memory "L": reset
127	MD3	-	Mode setting terminal Fixed at "L" in this set
128	MD2	I	Mode setting signal input from the system controller
129, 130	MD1, MD0	-	Mode setting terminal Fixed at "L" in this set
131	INITX	I	Reset signal input from the system controller "L": reset
132	GND	-	Ground terminal
133	+5V	-	Power supply terminal (+3.3V)
134	Flash Update RX	I	Serial data input terminal
135	Flash Update TX	O	Serial data output terminal
136	ENDFLAG	O	End flag output to the system controller
137, 138	NO USE	-	Not used
139	MAIN UCOM UART BUSY	I	Busy signal input from the system controller
140	Faroudjia UCOM UART RX	I	Serial data input from the video processor1
141	Faroudjia UCOM UART TX	O	Serial data output to the video processor1

Pin No.	Pin Name	I/O	Description
142	Faroudjia UCOM BUSY	I	Busy signal input from the video processor1
143	2nd Faro UCOM UART Rx	I	Serial data input from the video processor2
144	2nd Faro UCOM UART Tx	O	Serial data output to the video processor2
145	2nd Faro UCOM BUSY	I	Busy signal input from the video processor2
146	GND	-	Ground terminal
147	+5V	-	Power supply terminal (+3.3V)
148 to 160	NO USE	-	Not used
161	GND	-	Ground terminal
162	+5V	-	Power supply terminal (+3.3V)
163	2nd Faro Power DETECT	I	Power detection signal input from the video processor2
164	2nd Faro UCOM RESET	O	Reset signal output to the video processor2 and flash memory "L": reset
165	2nd DAC CLOCK SEL	O	Clock control signal output to the frequency multiplier for D/A converter (for video section)
166	2nd VDAC_RESET	O	Reset signal output to the D/A converter (for video section) "L": reset
167	NO USE	-	Not used
168	V.SYNC_DET	I	Vertical sync signal input terminal Not used
169	TX_INT2	I	Interrupt signal input from the HDMI transmitter
170	TX_RST2	O	Reset signal output to the HDMI transmitter "L": reset
171	TX_5VPWR2	O	Power supply on/off control signal output terminal for HDMI OUT connector "H": power on
172	CEC_SEL	O	CEC line selection signal output terminal
173	REPEAT_PATH_SEL	O	Signal path selection signal output terminal at repeater
174, 175	DAC_SW0, DAC_SW1	O	Not used
176	+5V	-	Power supply terminal (+3.3V)

CONTROL BOARD IC2513 MB91F467RAPMC-GE1 (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	GND	-	Ground terminal
2	POWER SW DET	I	POWER switch input terminal
3	LED DCS ON/OFF	O	LED drive signal output terminal for Digital Cinema Sound indicator "H": LED on
4	VUCOM SDA	I/O	Two-way I2C data bus with the video system controller
5	VUCOM SCL	I/O	Two-way I2C clock bus with the video system controller
6	DUCOM SDA	I/O	Two-way I2C data bus with the DSP controller
7	DUCOM SCL	I/O	Two-way I2C clock bus with the DSP controller
8	LED MLT DIM	O	Dimmer control signal output terminal for MULTI CHANNEL DECODING indicator
9	LED MLT ON/OFF	O	LED drive signal output terminal for MULTI CHANNEL DECODING indicator "H": LED on
10	LED STB ON/OFF	O	LED drive signal output terminal for ON/STANDBY indicator "L": green LED on (power on mode), "H": red LED on (standby mode)
11, 12	+3.3V	-	Power supply terminal (+3.3V)
13	GND	-	Ground terminal
14	C_1	-	External capacitor connection terminal for internal regulator
15	MIC ON	O	Microphone muting on/off control signal output terminal "H": muting on
16	VOLUME JOG A	I	Jog dial pulse input from the rotary encoder (A phase input) (for MASTER VOLUME)
17	VOLUME JOG B	I	Jog dial pulse input from the rotary encoder (B phase input) (for MASTER VOLUME)
18	FUNCTION JOG A	I	Jog dial pulse input from the rotary encoder (A phase input) (for INPUT SELECTOR)
19	FUNCTION JOG B	I	Jog dial pulse input from the rotary encoder (B phase input) (for INPUT SELECTOR)
20	HP IN	I	Headphone plug insert detection signal input terminal "H": headphone plug is inserted
21	SP-SW A	I	Front speaker A on/off switch input terminal
22	SP-SW A	I	Front speaker B on/off switch input terminal
23	(TUNE +/- 2)	I	Jog dial pulse input from the rotary encoder (B phase input) (for TUNING)
24	(TUNE +/- 1)	I	Jog dial pulse input from the rotary encoder (A phase input) (for TUNING)
25	(TONE +/- 2)	I	Jog dial pulse input from the rotary encoder (B phase input) (for TONE)
26	(TONE +/- 1)	I	Jog dial pulse input from the rotary encoder (A phase input) (for TONE)
27	HATS RESET	O	Reset signal output to the field programmable gate array "L": reset
28	NMIX	-	Not used
29	HATS MUTE	O	Muting control signal output to the field programmable gate array
30	HATS MIDDLE	I	Buffer status input from the field programmable gate array
31	HATS AMCK_SEL	O	Audio master clock signal selection signal output terminal
32	SPDIF/DSD _SEL	O	SPDIF/DSD selection signal output terminal
33	DSP M-D INT	O	Interrupt request signal output to the DSP controller
34	DSP UCOM END-FLAG	I	Programming end flag input from the DSP controller
35	DSP UCOM MODE	O	Programming mode signal output to the DSP controller
36	+3.3V	-	Power supply terminal (+3.3V)
37	C_2	-	External capacitor connection terminal for internal regulator
38	GND	-	Ground terminal
39	4MHz (CLK in)	I	Main system clock input terminal (4 MHz)
40	4MHz (CLK out)	O	Main system clock output terminal (4 MHz)
41	GND	-	Ground terminal
42	Sub CLK in	I	Sub system clock input terminal Not used
43	Sub CLK out	O	Sub system clock output terminal Not used
44	+3.3V	-	Power supply terminal (+3.3V)
45	GND	-	Ground terminal
46	DSP M-D BUSY	O	Busy signal output to the DSP controller
47	DSP D-M BUSY	I	Busy signal input from the DSP controller
48	DSP_UCOM_RESET	O	Reset signal output to the DSP controller "L": reset
49	TA-LAT	O	Serial data latch pulse signal output to the lip sync adjust
50	TA-SIO	I	Serial data input from the lip sync adjust
51	TA_RST	O	Reset signal output to the lip sync adjust "L": reset
52	DA-MUTE	O	Muting control signal output terminal
53	DIR XMODE (RESET)	O	Reset signal output to the digital audio interface receiver "L": reset
54	DIR CE (LAT)	O	Chip enable signal output to the digital audio interface receiver
55	DIR DO	I	Serial data input from the digital audio interface receiver

Pin No.	Pin Name	I/O	Description
56	DIRERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
57	+3.3V	-	Power supply terminal (+3.3V)
58	GND	-	Ground terminal
59	DIR CKST	I	Clock selection signal input from the digital audio interface receiver
60	MCK_X1/X2_SEL	O	Master clock signal selection signal output terminal
61	232C-SEL1	O	Data selection signal output terminal
62	DEV I2C2 SDA	I/O	Two-way I2C data bus with the field programmable gate array, D/A converter (for audio section) and video input selector
63	DEV I2C2 SCL	O	I2C clock signal output to the field programmable gate array, D/A converter (for audio section) and video input selector
64	D595 OE	O	Output enable signal output to the data decoder (for audio)
65	D595 LAT	O	Serial data latch pulse signal output to the data decoder (for audio)
66	COM1 CLK	O	Serial data transfer clock signal output to the digital audio interface receiver, data decoder (for audio section) and lip sync adjust
67	COM1 DATA	O	Serial data output to the digital audio interface receiver, data decoder (for audio section) and lip sync adjust
68 to 70	TRG-1 to TRG-3	O	Trigger signal output terminal
71	CEC-M/DV	O	CEC serial data output to the HDMI connector
72	HDMI-ERROR	I	HDMI audio error signal input terminal
73	+3.3V	-	Power supply terminal (+3.3V)
74	GND	-	Ground terminal
75	4/8-RY	O	Speaker impedance 4/8 ohm selection signal output terminal "L": 4 ohm, "H": 8 ohm
76	D.MIX-LAT	O	Serial data latch pulse signal output to the audio switch
77	VOL LAT	O	Serial data latch pulse signal output to the electrical volume
78	CCD_RY	O	Relay drive signal (for CD direct) output terminal "H": relay on
79	PREOUT RY	O	Relay drive signal (for preout) output terminal "H": relay on
80	SP-A-RY	O	Relay drive signal (for front A) output terminal "H": relay on
81	SP-B-RY	O	Relay drive signal (for front B) output terminal "H": relay on
82	C-RY	O	Relay drive signal (for center) output terminal "H": relay on
83	SB-RY	O	Relay drive signal (for surround back) output terminal "H": relay on
84	SR-RY	O	Relay drive signal (for surround) output terminal "H": relay on
85	HP-RY	O	Relay drive signal (for headphone) output terminal "H": relay on
86	PROTECTOR	I	Protect detection signal input terminal
87	D_POWER	O	Power supply on/off control signal output terminal for DSP section "H": power on
88	GND	-	Ground terminal
89	+3.3V	-	Power supply terminal (+3.3V)
90	POW-RY	O	Relay drive signal (for main power) output terminal "H": relay on
91	STOP	I	AC off detection signal input terminal "L": AC off
92	3RD RELAY	O	Relay drive signal (for zone 3) output terminal "H": relay on
93	2ND RELAY	O	Relay drive signal (for zone 2) output terminal "H": relay on
94	FUNC LAT	O	Serial data latch pulse signal output to the audio input selector
95	COM2 CLK	O	Serial data transfer clock signal output to the audio input selector and D/A converter (for XM section)
96	COM2 DATA	O	Serial data output to the audio input selector and D/A converter (for XM section)
97	WDRESETX	O	Watch dog timer reset signal output terminal Not used
98 to 100	AD-KEY1 to AD-KEY3	I	Front panel key input terminal (A/D input)
101	AD-KEY4 (NO USE)	I	Key input terminal (A/D input) Not used
102	FUNC2_LAT	O	Serial data latch pulse signal output to the audio input selector
103	VERSION	I	Destination setting terminal
104	FUNC3_LAT	O	Serial data latch pulse signal output to the audio input selector
105	SIRIUS POWER ENABLE	O	Sirius power detection signal output to the SIRIUS socket (US and Canadian models only)
106	TUNED	I	Tuned detection signal input from the tuner (FM/AM)
107	TUN_LAT	O	Serial data latch pulse signal output to the tuner (FM/AM)
108	TUN_DATA	O	Serial data output to the tuner (FM/AM)
109	TUN_CLK	O	Serial data transfer clock signal output to the tuner (FM/AM)
110	TUN_DO	I	Serial data input from the tuner (FM/AM)

Pin No.	Pin Name	I/O	Description
111	RDS_DATA	I	RDS serial data input from the tuner (FM/AM) (AEP, Continental European, East European, Russian and UK models only)
112	IR-LEARNING UCOM RESET	O	Not used
113	IR OUT SWITCH	O	Not used
114	AD GND	-	Ground terminal (for A/D converter)
115	AD +3.3V	-	Power supply terminal (+3.3V) (for A/D converter)
116	AD Ref. Vdd	I	Reference voltage (+3.3V) input terminal (for A/D converter)
117	PNX SDA (IIC BUS MONITOR DATA)	I/O	Two-way I2C data bus terminal Not used
118	PNX SCL (IIC BUS MONITOR CLK)	I/O	Two-way I2C clock bus terminal Not used
119	SIRCS-IN	I	SIRCS signal input from the remote control receiver
120	DAC_ZERO_DATA	I	Zero data detection signal input from the D/A converter (for audio section)
121	CEC-DV/M	I	CEC serial data input from the HDMI connector
122	COMP_DET	I	Component video signal detection signal input terminal
123	ZONE_SEL	I	ZONE SELECT switch input terminal
124	9850 INIT	O	Reset signal output terminal Not used
125	NO USE	-	Not used
126	RST_TRG	O	Reset signal output terminal for system controller "L": reset
127	MD3	-	Mode setting terminal Fixed at "L" in this set
128	MD2	I	Serial data input terminal
129, 130	MD1, MD0	-	Mode setting terminal Fixed at "L" in this set
131	INITX	I	System reset signal input from the reset signal generator "L": reset For several hundreds msec. after the power supply rises, "L" is input, then it changes to "H"
132	GND	-	Ground terminal
133	+5V	-	Power supply terminal (+3.3V)
134	232C-MIN	I	Serial data input from the RS-232C connector
135	232C-MOUT	O	Serial data input from the RS-232C connector
136	COMP2_DET	I	Component video signal (for ZONE 2) detection signal input terminal
137	XMUART-XM/M	I	Serial data input from the XM receiver (US and Canadian models only)
138	XMUART-M/XM	O	Serial data output to the XM receiver (US and Canadian models only)
139	MONI_MUTE	O	Composite video monitor out muting on/off control signal output to the video amplifier (for composite video signal) "H": muting on
140	IR-LEARN-UART-IR/M	I	Not used
141	IR-LEARN-UART-M/IR	O	Not used
142	MONI2_MUTE	O	Composite video zone 2 out muting on/off control signal output to the video amplifier (for composite video signal (for ZONE 2)) "H": muting on
143	DMUART2-DM/M	I	Serial data input from the DMPORT 2 connector
144	DMUART2-M/DM	O	Serial data output to the DMPORT 2 connector
145	DMPORT2_DETECT	I	Digital media port adapter connection detection signal (for DMPORT 2 connector) input terminal "L": digital media port adapter is connected
146	GND	-	Ground terminal
147	+5V	-	Power supply terminal (+3.3V)
148	SIRIUS_UART_SI/M	I	Serial data input from the SIRIUS socket (US and Canadian models only)
149	SIRIUS_UART_M/SI	O	Serial data output to the SIRIUS socket (US and Canadian models only)
150	FL_CLR	O	Blanking period signal output to the fluorescent indicator tube
151	FL_LAT	O	Serial data latch pulse signal output to the fluorescent indicator tube
152	FL_DATA	O	Serial data output to the fluorescent indicator tube
153	FL_CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
154	DMPORT_DM/M	I	Serial data input from the DMPORT 1 connector
155	DMPORT_M/DM	O	Serial data output to the DMPORT 1 connector
156	DMPORT DETECT	I	Digital media port adapter connection detection signal (for DMPORT 1 connector) input terminal "L": digital media port adapter is connected
157	COMP_MON_MUTE	O	Component video monitor out muting on/off control signal output to the video amplifier (for component video signal) "H": muting on
158	COMP_MON2_MUTE	O	Component video zone 2 out muting on/off control signal output to the video amplifier (for component video signal (for ZONE 2)) "H": muting on

Pin No.	Pin Name	I/O	Description
159, 160	PNX_ADC_LAT1, PNX_ADC_LAT2	O	Not used
161	GND	-	Ground terminal
162	+5V	-	Power supply terminal (+3.3V)
163	VIDEO UCOM ENDFLAG	I	End flag input from the video system controller
164	VIDEO UCOM MODE	O	Mode setting signal output to the video system controller
165	RDS_CLK	I	RDS serial data transfer clock signal input from the tuner (FM/AM) (AEP, Continental European, East European, Russian and UK models only)
166	VUCOM-BUSY	I	Busy signal input from the video system controller
167	VUCOM-RST	O	Reset signal output to the video system controller "L": reset
168	FSRATE1	I	L/R sampling clock signal input from the digital audio interface receiver or HDMI receiver
169	PNX RESET	O	Not used
170	232C-SEL2	O	Data selection signal output terminal
171	XM-RESET	O	Reset signal output to the XM receiver "L": reset (US and Canadian models only)
172	XM-DA_LAT	O	Serial data latch pulse signal output to the D/A converter (for XM section) (US and Canadian models only)
173	XM_POWER	O	Power supply on/off control signal output terminal for XM section "H": power on (US and Canadian models only)
174	DEV I2C SDA	I/O	Two-way data bus with the EEPROM
175	DEV I2C SCL	O	Serial data transfer clock signal output to the EEPROM
176	+5V	-	Power supply terminal (+3.3V)

SECTION 7
EXPLODED VIEWS

Note:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color

- Abbreviation
  CND : Canadian model
  ECE : Continental European, East European and Russian models

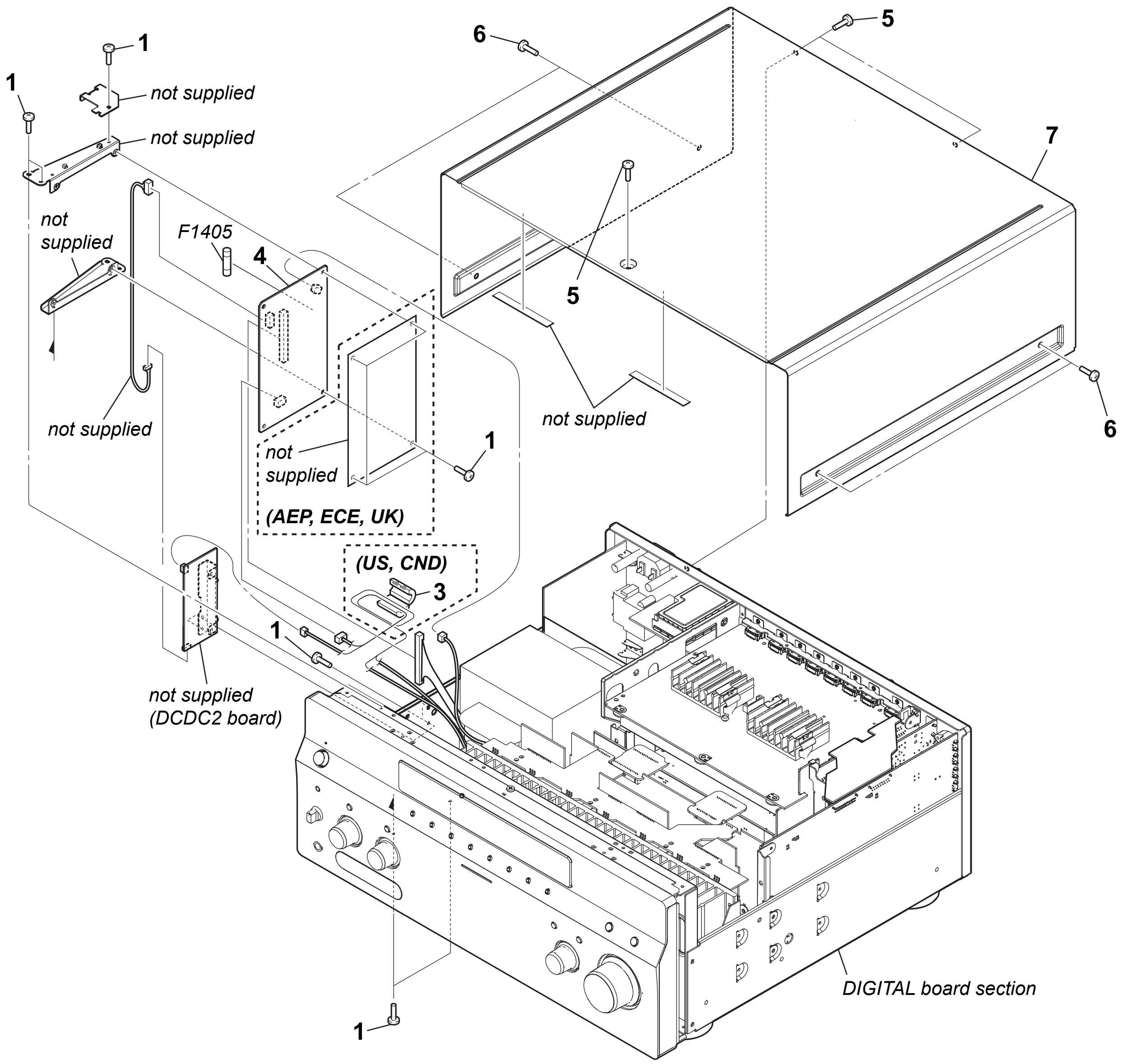
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

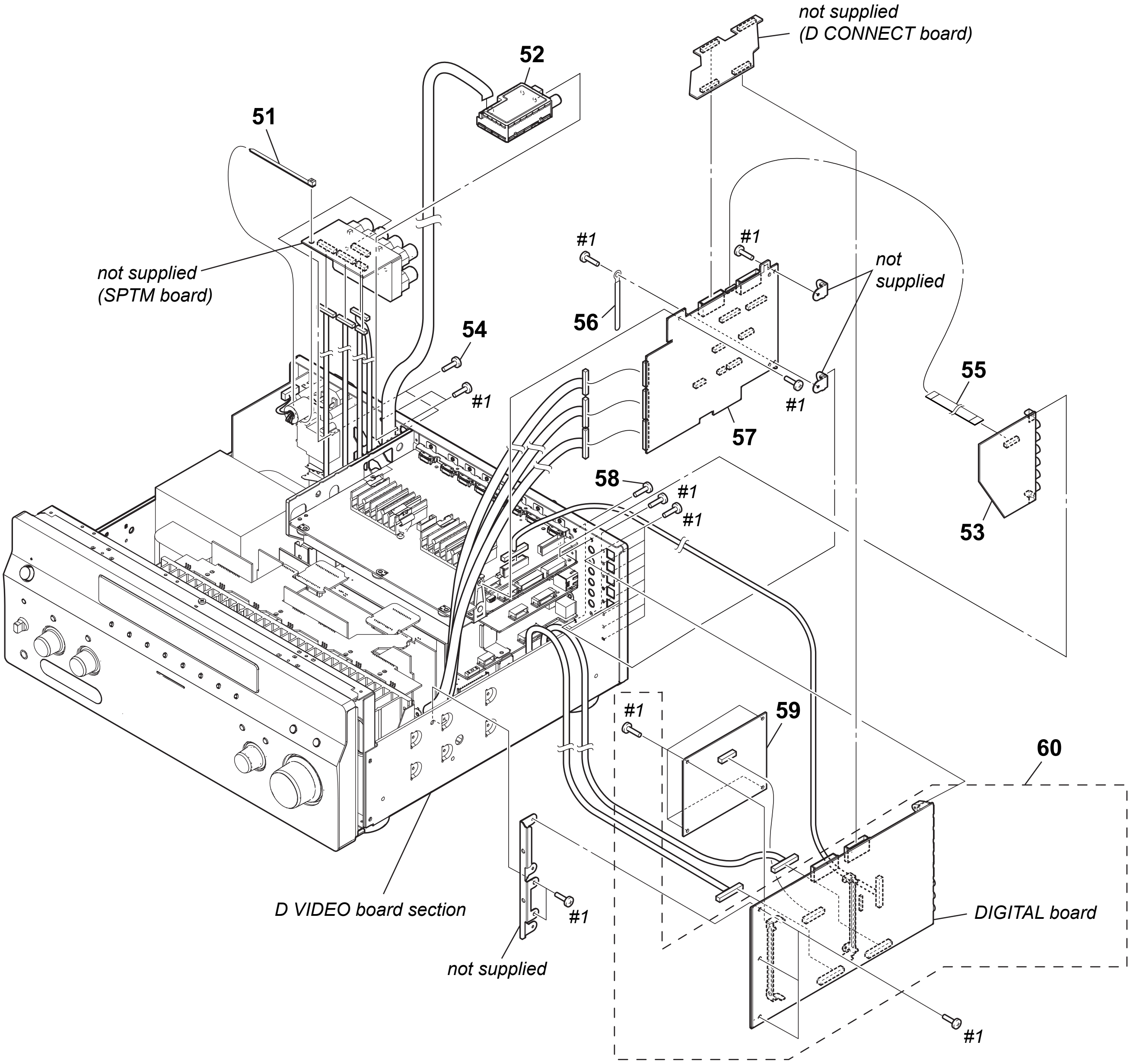
Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

7-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	4-974-510-11	SCREW (+BV 3X8 CU)	
2	3-701-748-00	CLAMP	
3	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (US, CND)	
4	A-1538-912-A	DC-DC BOARD, COMPLETE	
5	4-227-843-03	SCREW (TP), FLAT HEAD	
6	2-580-630-01	SCREW, +BVST 4X8	
7	2-668-102-11	CASE	
⚠ F1405	1-532-506-33	FUSE (T6.3AL/250V)	

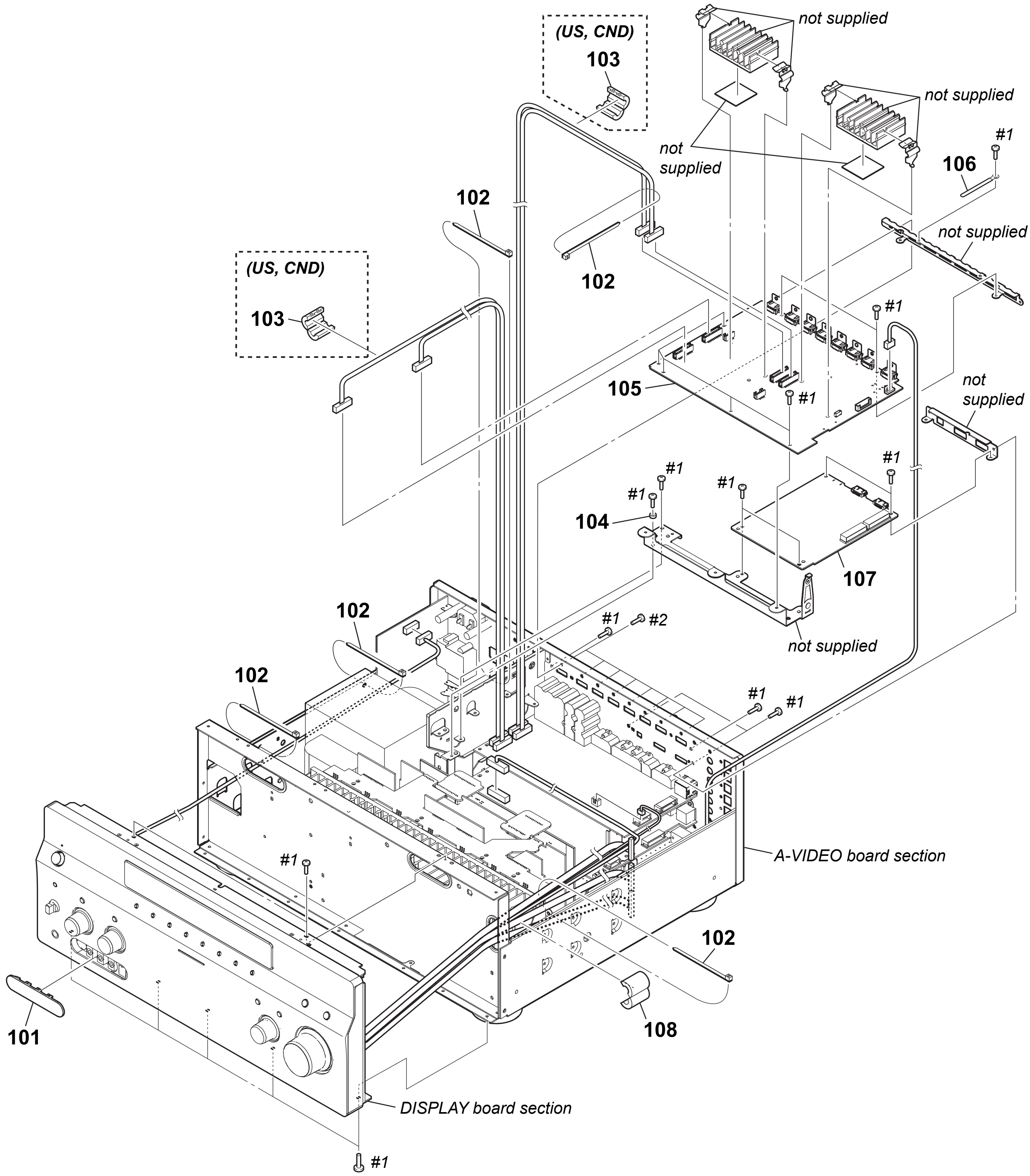
7-2. DIGITAL BOARD SECTION



Ref. No.	Part No.	Description	Remark
51	3-655-653-11	BAND (TAITON), BINDING	
52	1-693-728-31	TUNER (FM/AM) (US, CND)	
52	1-693-737-21	TUNER (FM/AM) (AEP, ECE, UK)	
53	A-1538-073-A	CIS BOARD, COMPLETE (US, CND)	
53	A-1538-135-A	CIS BOARD, COMPLETE (AEP, ECE, UK)	
54	3-704-515-51	SCREW (BV/RING)	
55	1-828-327-51	WIRE (FLAT TYPE) (13 CORE)	
56	4-237-065-01	CLAMP (L35)	

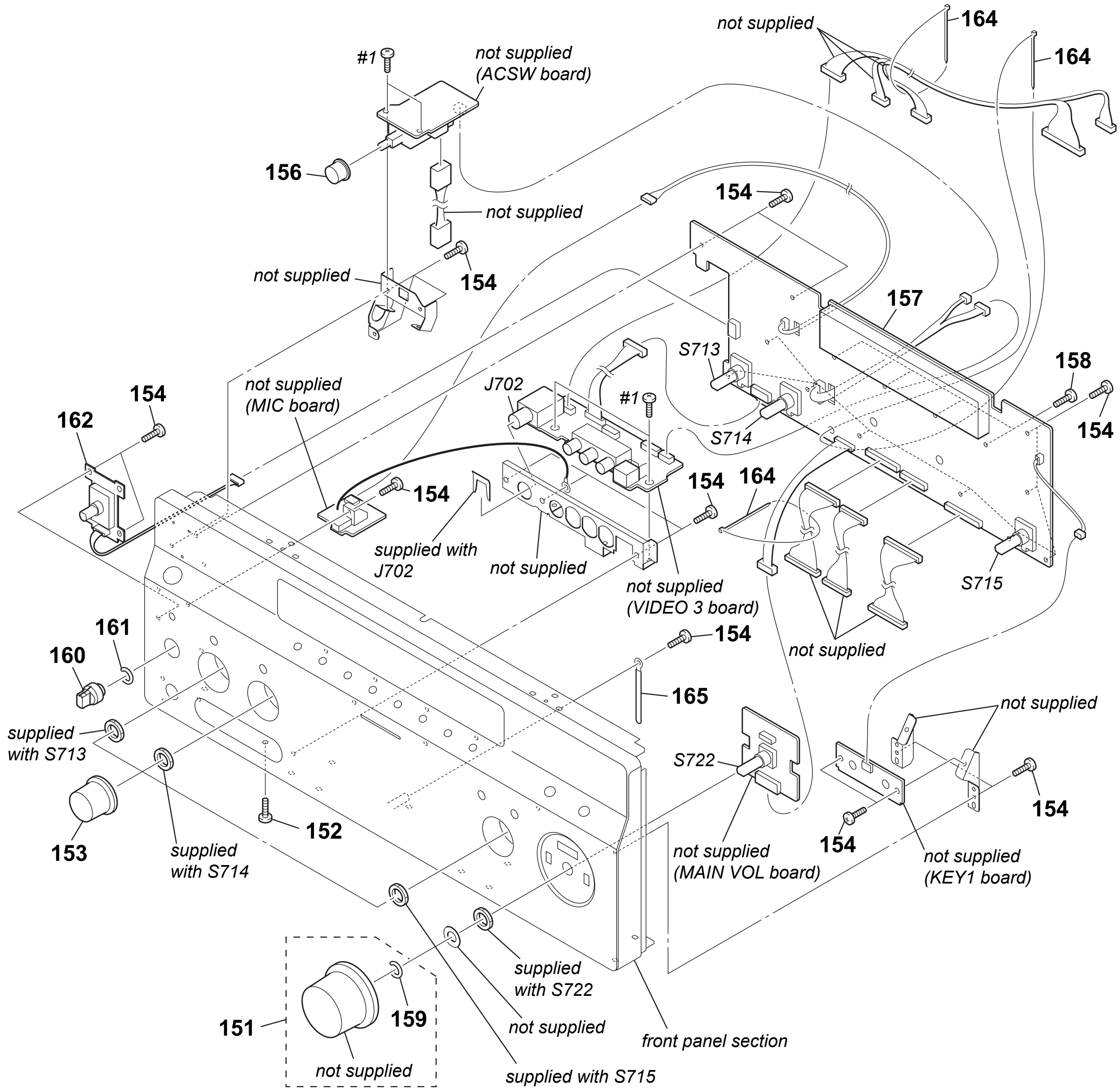
Ref. No.	Part No.	Description	Remark
57	A-1538-081-A	CONTROL BOARD, COMPLETE (US, CND)	
57	A-1538-140-A	CONTROL BOARD, COMPLETE (AEP, ECE, UK)	
58	3-704-515-22	SCREW (BV/RING)	
59	A-1538-090-A	DSP BOARD, COMPLETE	
60	A-1538-080-A	DIGITAL BOARD, COMPLETE (US, CND)	
60	A-1538-139-A	DIGITAL BOARD, COMPLETE (AEP, ECE, UK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-3. D VIDEO BOARD SECTION



Ref. No.	Part No.	Description	Remark
101	2-698-310-01	LID (A2)	
102	3-701-748-00	CLAMP	
103	1-500-082-11	CLAMP, SLEEVE FERRITE (US, CND)	
104	4-857-425-00	BUSHING, 03P INSULATING	
105	A-1538-094-A	D VIDEO BOARD, COMPLETE (for SERVICE)	
106	4-237-065-01	CLAMP (L35)	
107	A-1538-091-A	DMPORT BOARD, COMPLETE (US, CND)	
107	A-1538-147-A	DMPORT BOARD, COMPLETE (AEP, ECE, UK)	
108	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-682-547-04	SCREW +B 3X6	

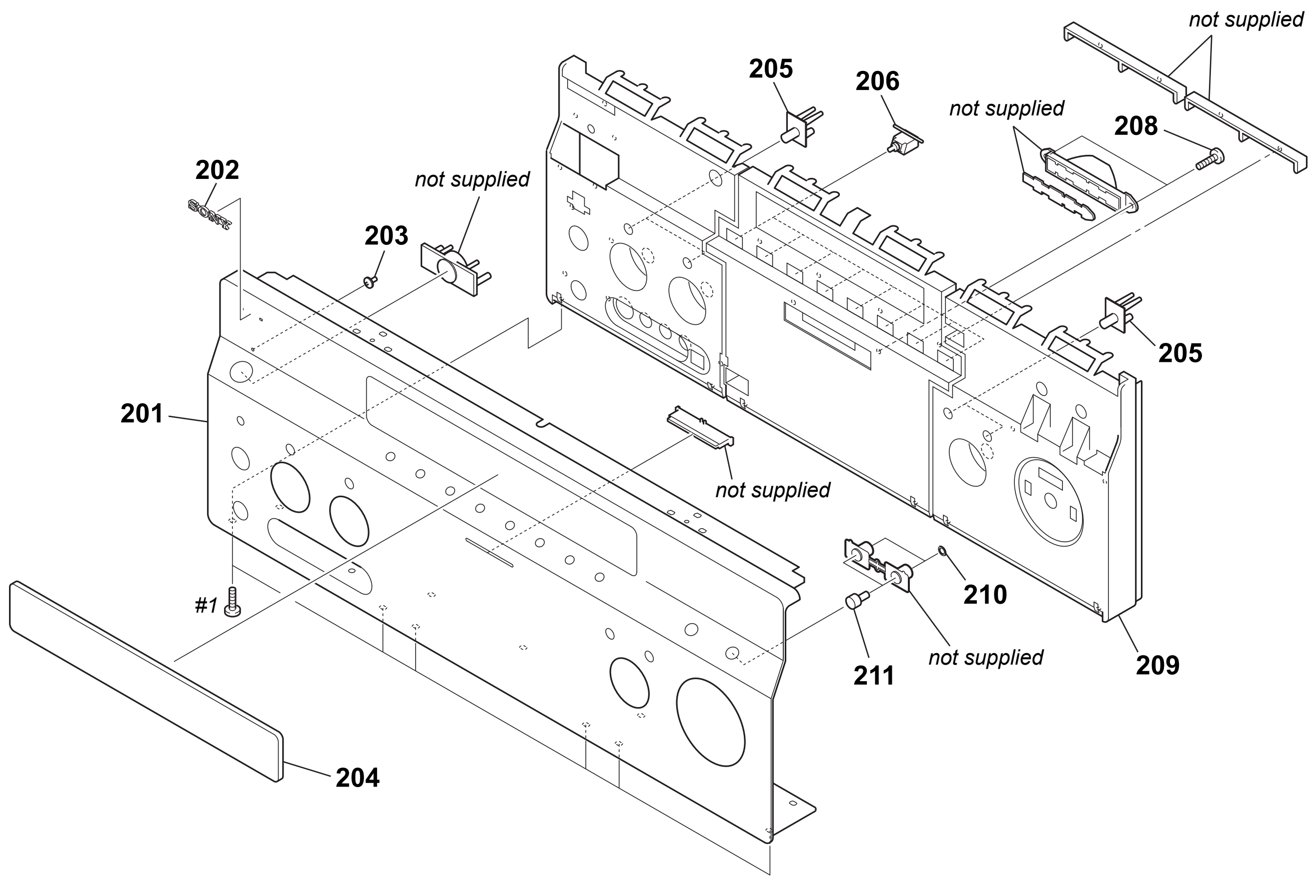
7-4. DISPLAY BOARD SECTION



Ref. No.	Part No.	Description	Remark
151	X-2176-946-1	KNOB (VOL) ASSY	
152	3-704-515-22	SCREW (BV/RING)	
153	2-661-141-31	MENU KNOB	
154	3-087-053-01	+BVTP2.6 (3CR)	
156	X-4955-616-1	BUTTON (POWER) ASSY	
157	A-1538-084-A	DISPLAY BOARD, COMPLETE	
158	3-087-053-11	+BVTP2.6 (3CR)	
159	3-350-426-01	SPRING, RING	
160	4-246-103-22	KNOB (SPEAKER)	
161	2-893-374-01	SPRING, RING	

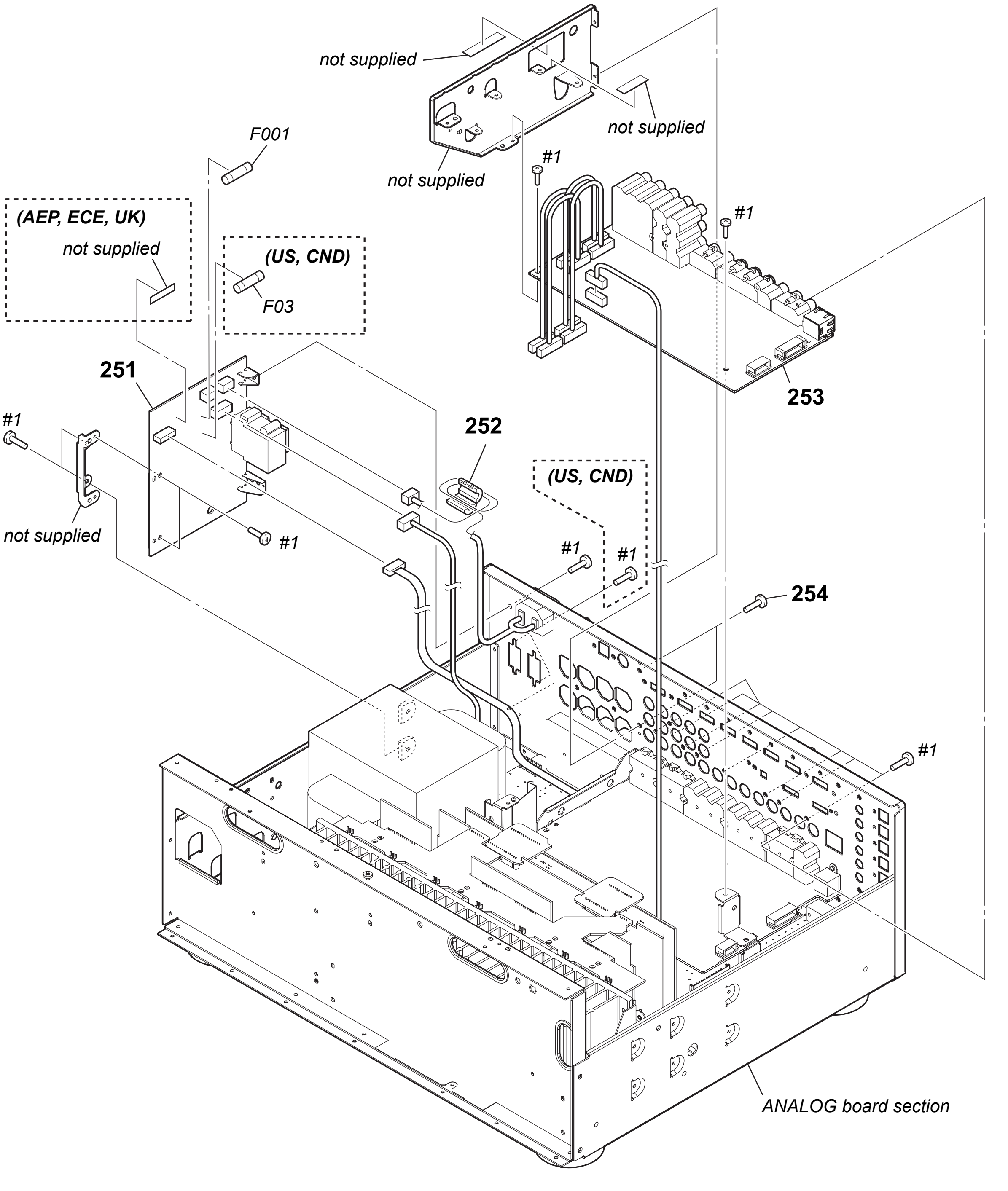
Ref. No.	Part No.	Description	Remark
162	A-1252-357-A	SPSW BOARD, COMPLETE	
164	3-701-748-00	CLAMP	
165	4-237-065-01	CLAMP (L35)	
J702	1-815-313-11	JACK (PHONES)	
S713	1-418-400-11	ENCODER, ROTARY (TONE)	
S714	1-418-400-11	ENCODER, ROTARY (TUNING)	
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)	
S722	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-5. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
201	3-298-840-12	PANEL, FRONT (US, CND)	
201	3-298-840-22	PANEL, FRONT (AEP, ECE, UK)	
202	4-942-568-41	EMBLEM (NO.5), SONY	
203	X-4950-462-1	LENS ASSY, LED	
204	2-668-128-32	PLATE (A2), INDICATION	
205	2-668-113-01	BUTTON (ZONE)	
206	3-278-912-01	BUTTON (MUSIC-AB)	
208	3-087-053-01	+BVTP2.6 (3CR)	
209	2-668-108-21	BASE, PANEL (A2)	
210	3-325-697-21	WASHER	
211	4-246-100-23	BUTTON (DIA. 7)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

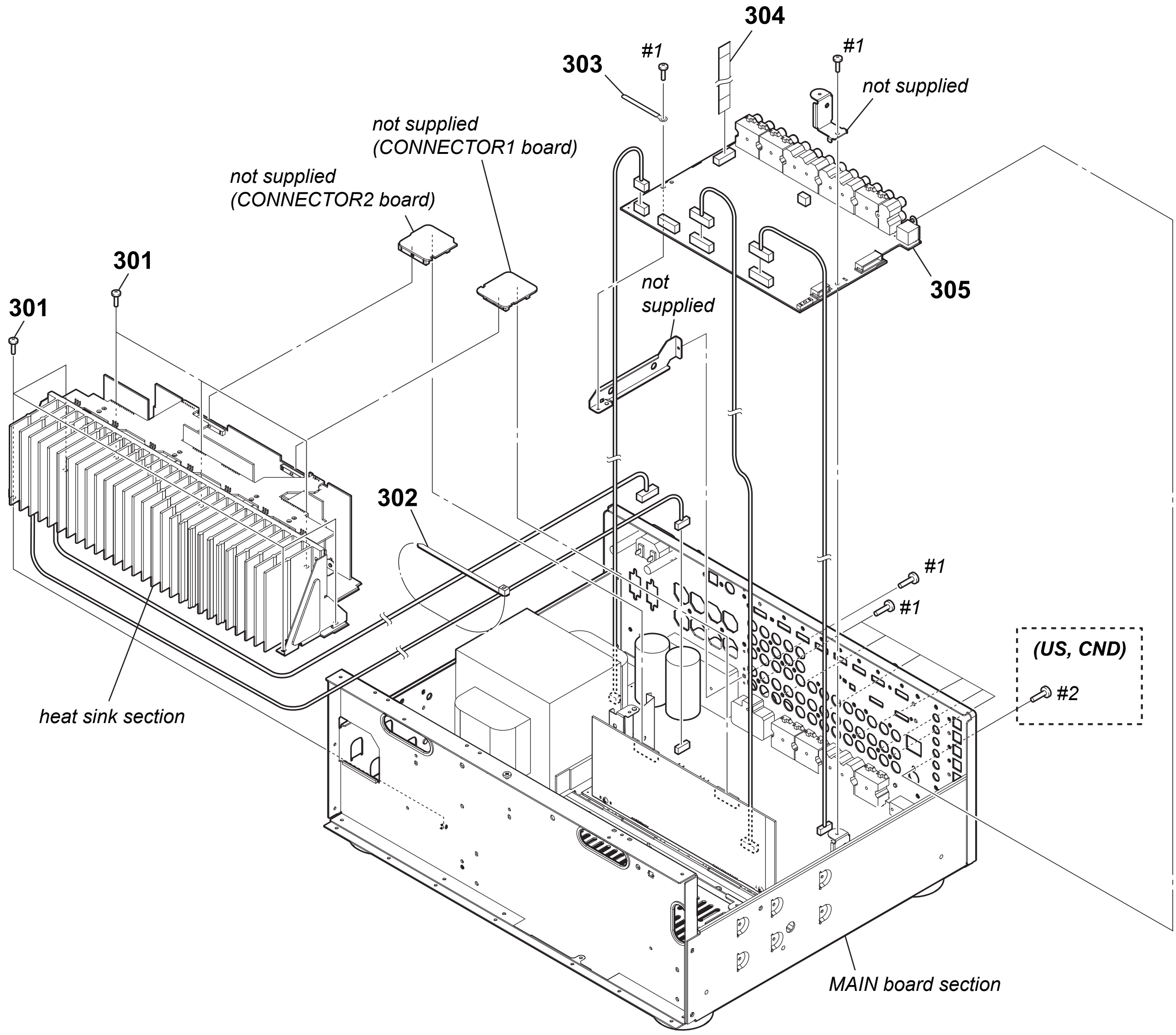
7-6. A-VIDEO BOARD SECTION



Ref. No.	Part No.	Description	Remark
251	A-1538-071-A	AC BOARD, COMPLETE (US, CND)	
251	A-1538-134-A	AC BOARD, COMPLETE (AEP, ECE, UK)	
252	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
253	A-1538-078-A	A-VIDEO BOARD, COMPLETE (US, CND)	
253	A-1538-137-A	A-VIDEO BOARD, COMPLETE (AEP, ECE, UK)	
254	4-974-510-11	SCREW (+BV 3X8 CU)	

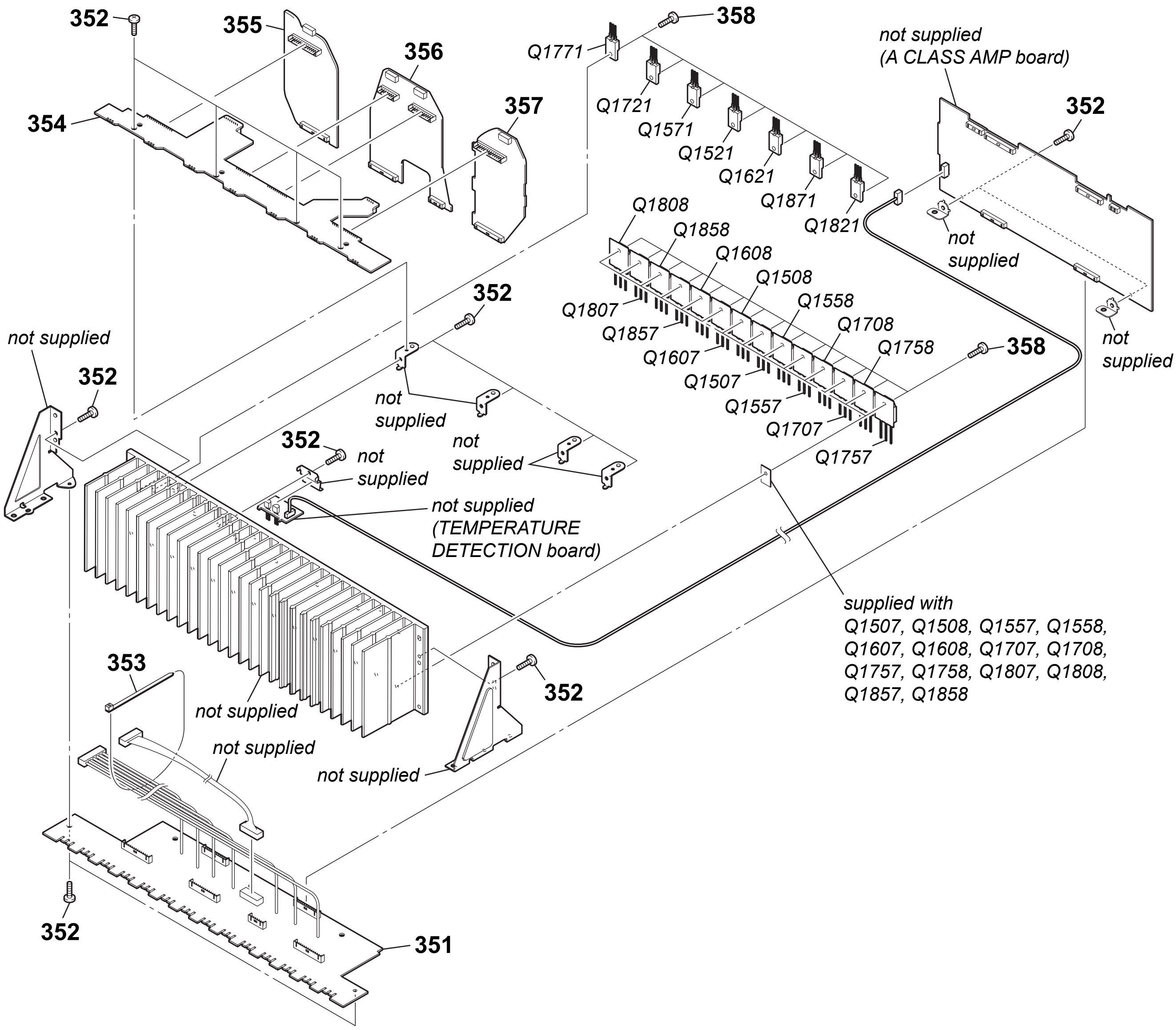
Ref. No.	Part No.	Description	Remark
⚠ F001	1-532-504-33	FUSE (T4AL/250V) (AEP, ECE, UK)	
⚠ F001	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V) (US, CND)	
⚠ F03	1-533-420-12	FUSE, GLASS CYLINDRICAL (DIA.5) (5A/125V) (US, CND)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

7-7. ANALOG BOARD SECTION



Ref. No.	Part No.	Description	Remark
301	4-974-510-11	SCREW (+BV 3X8 CU)	
302	3-701-748-00	CLAMP	
303	4-237-065-01	CLAMP (L35)	
304	1-823-669-51	WIRE (FLAT TYPE) (11 CORE) (AEP, ECE, UK)	
304	1-828-956-51	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
305	A-1538-077-A	ANALOG BOARD, COMPLETE (US, CND)	
305	A-1538-712-A	ANALOG BOARD, COMPLETE (AEP, ECE, UK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-682-547-04	SCREW +B 3X6	

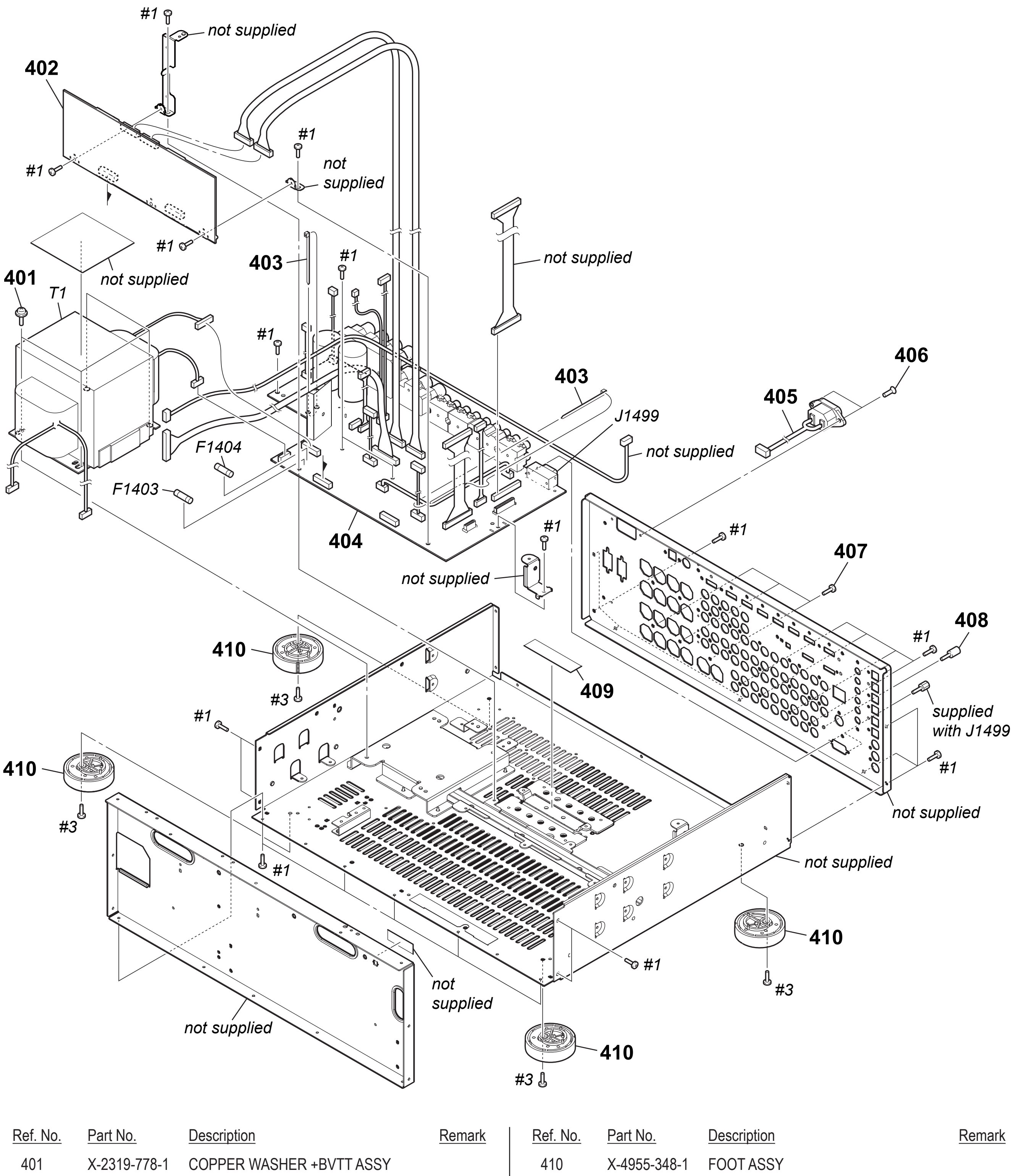
7-8. HEAT SINK SECTION



Ref. No.	Part No.	Description		Remark
351	A-1530-376-A	POWER AMP BOARD, COMPLETE		
352	4-974-510-11	SCREW (+BV 3X8 CU)		
353	3-701-748-00	CLAMP		
354	A-1530-379-A	BIAS BOARD, COMPLETE		
355	A-1530-383-A	PROTECTOR (SB) BOARD, COMPLETE		
356	A-1530-381-A	PROTECTOR (F-C) BOARD, COMPLETE		
357	A-1530-382-A	PROTECTOR (SURR) BOARD, COMPLETE		
358	3-905-609-13	SCREW (TRANSISTOR)		
Q1507	8-729-051-92	TRANSISTOR	2SD2560	
Q1508	8-729-051-93	TRANSISTOR	2SB1647	
Q1521	8-729-026-08	TRANSISTOR	2SC4495	
Q1557	8-729-051-92	TRANSISTOR	2SD2560	
Q1558	8-729-051-93	TRANSISTOR	2SB1647	
Q1571	8-729-026-08	TRANSISTOR	2SC4495	
Q1607	8-729-051-92	TRANSISTOR	2SD2560	

Ref. No.	Part No.	Description		Remark
Q1608	8-729-051-93	TRANSISTOR	2SB1647	
Q1621	8-729-026-08	TRANSISTOR	2SC4495	
Q1707	8-729-051-92	TRANSISTOR	2SD2560	
Q1708	8-729-051-93	TRANSISTOR	2SB1647	
Q1721	8-729-026-08	TRANSISTOR	2SC4495	
Q1757	8-729-051-92	TRANSISTOR	2SD2560	
Q1758	8-729-051-93	TRANSISTOR	2SB1647	
Q1771	8-729-026-08	TRANSISTOR	2SC4495	
Q1807	8-729-051-92	TRANSISTOR	2SD2560	
Q1808	8-729-051-93	TRANSISTOR	2SB1647	
Q1821	8-729-026-08	TRANSISTOR	2SC4495	
Q1857	8-729-051-92	TRANSISTOR	2SD2560	
Q1858	8-729-051-93	TRANSISTOR	2SB1647	
Q1871	8-729-026-08	TRANSISTOR	2SC4495	

7-9. MAIN BOARD SECTION



Ref. No.	Part No.	Description	Remark
401	X-2319-778-1	COPPER WASHER +BVTT ASSY	
402	A-1538-072-A	E-VOL BOARD, COMPLETE	
403	3-701-748-00	CLAMP	
404	A-1538-066-A	MAIN BOARD, COMPLETE (US, CND)	
404	A-1538-132-A	MAIN BOARD, COMPLETE (AEP, ECE, UK)	
⚠ 405	1-821-082-21	INLET, AC 2P (～AC IN)	
406	2-580-644-01	SCREW, +KTP2 3X8	
407	3-704-515-51	SCREW (BV/RING)	
408	4-947-010-01	SCREW, FEEDER FIXED	
409	3-196-712-01	SHEET (H), RADIATION	
410	X-4955-348-1	FOOT ASSY	
⚠ F1403	1-532-504-33	FUSE (T4AL/250V)	
⚠ F1404	1-532-504-33	FUSE (T4AL/250V)	
J1499	1-815-737-11	CONNECTOR, (D) SUB 9P (RS-232C)	
⚠ T1	1-445-239-11	TRANSFORMER, POWER (AEP, ECE, UK)	
⚠ T1	1-445-471-11	POWER SOURCE TRANSFORMER (US, CND)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-885-09	SCREW +BVTT 4X16 (S)	

SECTION 8
ELECTRICAL PARTS LIST

Note:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: μF
- COILS
  uH: μH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . , uPA. . , μPA. . ,
  uPB. . : μPB. . , uPC. . , μPC. . ,
  uPD. . : μPD. .
- Abbreviation
  CND : Canadian model
  ECE : Continental European, East European and Russian models

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by mark 🔒 contain confidential information.
Strictly follow the instructions whenever the components are repaired and/or replaced.

Les composants identifiés par la marque 🔒 contiennent des informations confidentielles.
Suivre scrupuleusement les instructions chaque fois qu'un composant est remplacé et / ou réparé.

Ref. No.	Part No.	Description				Remark
		A CLASS AMP BOARD				
		*****************				
		< CAPACITOR >				
C1501	1-112-099-11	ELECT	4.7uF	20%	50V	
C1502	1-101-810-00	CERAMIC	100PF	5%	500V	
C1503	1-137-503-11	FILM	100PF	5%	100V	
C1504	1-136-357-11	FILM	680PF	5%	100V	
C1505	1-112-090-11	ELECT	100uF	20%	25V	
C1507	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1508	1-112-421-11	ELECT	330uF	20%	25V	
C1510	1-112-416-11	ELECT	220uF	20%	16V	
C1511	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1515	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1551	1-112-099-11	ELECT	4.7uF	20%	50V	
C1552	1-101-810-00	CERAMIC	100PF	5%	500V	
C1553	1-137-503-11	FILM	100PF	5%	100V	
C1554	1-136-357-11	FILM	680PF	5%	100V	
C1555	1-112-090-11	ELECT	100uF	20%	25V	
C1557	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1558	1-112-421-11	ELECT	330uF	20%	25V	
C1560	1-112-416-11	ELECT	220uF	20%	16V	
C1561	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1565	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1601	1-112-099-11	ELECT	4.7uF	20%	50V	
C1602	1-101-810-00	CERAMIC	100PF	5%	500V	
C1603	1-137-503-11	FILM	100PF	5%	100V	
C1604	1-136-357-11	FILM	680PF	5%	100V	
C1605	1-112-090-11	ELECT	100uF	20%	25V	
C1607	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1608	1-112-421-11	ELECT	330uF	20%	25V	
C1610	1-112-416-11	ELECT	220uF	20%	16V	
C1611	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1615	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1701	1-112-099-11	ELECT	4.7uF	20%	50V	
C1702	1-101-810-00	CERAMIC	100PF	5%	500V	
C1703	1-137-503-11	FILM	100PF	5%	100V	
C1704	1-136-357-11	FILM	680PF	5%	100V	
C1705	1-112-090-11	ELECT	100uF	20%	25V	
C1707	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1708	1-112-421-11	ELECT	330uF	20%	25V	
C1710	1-112-416-11	ELECT	220uF	20%	16V	
C1711	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1715	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1751	1-112-099-11	ELECT	4.7uF	20%	50V	
C1752	1-101-810-00	CERAMIC	100PF	5%	500V	
C1753	1-137-503-11	FILM	100PF	5%	100V	
C1754	1-136-357-11	FILM	680PF	5%	100V	
C1755	1-112-090-11	ELECT	100uF	20%	25V	
C1757	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1758	1-112-421-11	ELECT	330uF	20%	25V	
C1760	1-112-416-11	ELECT	220uF	20%	16V	
C1761	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1765	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1801	1-112-099-11	ELECT	4.7uF	20%	50V	
C1802	1-101-810-00	CERAMIC	100PF	5%	500V	
C1803	1-137-503-11	FILM	100PF	5%	100V	
C1804	1-136-357-11	FILM	680PF	5%	100V	
C1805	1-112-090-11	ELECT	100uF	20%	25V	
C1807	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1808	1-112-421-11	ELECT	330uF	20%	25V	
C1810	1-112-416-11	ELECT	220uF	20%	16V	
C1811	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1815	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1851	1-112-099-11	ELECT	4.7uF	20%	50V	
C1852	1-101-810-00	CERAMIC	100PF	5%	500V	
C1853	1-137-503-11	FILM	100PF	5%	100V	
C1854	1-136-357-11	FILM	680PF	5%	100V	
C1855	1-112-090-11	ELECT	100uF	20%	25V	
C1857	1-107-587-11	CERAMIC	7PF	0.5PF	500V	
C1858	1-112-421-11	ELECT	330uF	20%	25V	
C1860	1-112-416-11	ELECT	220uF	20%	16V	
C1861	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1865	1-107-585-11	CERAMIC	5PF	0.25PF	500V	
C1901	1-112-109-11	ELECT	22uF	20%	100V	
C1902	1-112-109-11	ELECT	22uF	20%	100V	
C1911	1-126-791-11	ELECT	10uF	20%	35V	
C1912	1-127-888-11	CERAMIC	0.1uF	10%	50V	
		< CONNECTOR >				
CN1504	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P				
CN1505	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P				
CN1905	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P				
CN1906	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P				

Ref. No.	Part No.	Description	Remark
CN1907	1-770-011-41	CONNECTOR, BOARD TO BOARD 4P	
CN1908	1-784-031-41	CONNECTOR, BOARD TO BOARD 8P	
CN1909	1-784-921-11	PIN, CONNECTOR 4P	
		< DIODE >	
D1501	8-719-109-93	DIODE RD6.2ESB2	
D1551	8-719-109-93	DIODE RD6.2ESB2	
D1601	8-719-109-93	DIODE RD6.2ESB2	
D1701	8-719-109-93	DIODE RD6.2ESB2	
D1751	8-719-109-93	DIODE RD6.2ESB2	
D1801	8-719-109-93	DIODE RD6.2ESB2	
D1851	8-719-109-93	DIODE RD6.2ESB2	
D1901	8-719-991-33	DIODE 1SS133T-77	
D1902	8-719-991-33	DIODE 1SS133T-77	
D1903	8-719-991-33	DIODE 1SS133T-77	
D1907	8-719-991-33	DIODE 1SS133T-77	
D1911	8-719-991-33	DIODE 1SS133T-77	
		< IC >	
IC1902	8-759-167-88	IC NJM4565D	
IC1904	8-759-239-14	IC TA78L05S	
		< TRANSISTOR >	
Q1501	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1502	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1503	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1504	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1505	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1551	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1552	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1553	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1554	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1555	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1601	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1602	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1603	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1604	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1605	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1701	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1702	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1703	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1704	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1705	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1751	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1752	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1753	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1754	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1755	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1801	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1802	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1803	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1804	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1805	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1851	6-550-031-01	TRANSISTOR HN4C06J-GRBL (TE85R)	
Q1852	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1853	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	
Q1854	8-729-021-73	TRANSISTOR 2SC2229-OY	
Q1855	8-729-021-74	TRANSISTOR 2SA949-OY	
Q1901	8-729-042-09	TRANSISTOR 2SA1038S-RSE-TP	

Ref. No.	Part No.	Description				Remark
Q1902	8-729-140-96	TRANSISTOR	2SD774-34			
Q1903	8-729-140-96	TRANSISTOR	2SD774-34			
Q1910	8-729-029-94	TRANSISTOR	DTC143TSA			
Q1911	8-729-029-86	TRANSISTOR	DTC124ESA			
Q1912	8-729-029-86	TRANSISTOR	DTC124ESA			
Q1913	8-729-029-86	TRANSISTOR	DTC124ESA			
Q1914	8-729-029-86	TRANSISTOR	DTC124ESA			
		< RESISTOR >				
R1501	1-259-428-61	CARBON	1K	5%	1/6W	
R1502	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1503	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1504	1-249-409-91	CARBON	220	5%	1/4W	F
R1505	1-259-416-61	CARBON	330	5%	1/6W	
R1506	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1507	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1509	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1511	1-249-405-91	CARBON	100	5%	1/4W	F
R1512	1-247-764-11	CARBON	10K	5%	1/2W	
R1513	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1514	1-249-496-11	CARBON	100K	5%	1/2W	
R1549	1-259-476-61	CARBON	100K	5%	1/6W	
R1551	1-259-428-61	CARBON	1K	5%	1/6W	
R1552	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1553	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1554	1-249-409-91	CARBON	220	5%	1/4W	F
R1555	1-259-416-61	CARBON	330	5%	1/6W	
R1556	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1557	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1559	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1561	1-249-405-91	CARBON	100	5%	1/4W	F
R1562	1-247-764-11	CARBON	10K	5%	1/2W	
R1563	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1564	1-249-496-11	CARBON	100K	5%	1/2W	
R1601	1-259-428-61	CARBON	1K	5%	1/6W	
R1602	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1603	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1604	1-249-409-91	CARBON	220	5%	1/4W	F
R1605	1-259-416-61	CARBON	330	5%	1/6W	
R1606	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1607	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1609	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1611	1-249-405-91	CARBON	100	5%	1/4W	F
R1612	1-247-764-11	CARBON	10K	5%	1/2W	
R1613	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1614	1-249-496-11	CARBON	100K	5%	1/2W	
R1701	1-259-428-61	CARBON	1K	5%	1/6W	
R1702	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1703	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1704	1-249-409-91	CARBON	220	5%	1/4W	F
R1705	1-259-416-61	CARBON	330	5%	1/6W	
R1706	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1707	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1709	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1711	1-249-405-91	CARBON	100	5%	1/4W	F
R1712	1-247-764-11	CARBON	10K	5%	1/2W	
R1713	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1714	1-249-496-11	CARBON	100K	5%	1/2W	
R1751	1-259-428-61	CARBON	1K	5%	1/6W	
R1752	1-259-476-61	CARBON	100K	5%	1/6W	

A CLASS AMP **AC**

Ref. No.	Part No.	Description				Remark
⚠ R1753	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1754	1-249-409-91	CARBON	220	5%	1/4W	F
R1755	1-259-416-61	CARBON	330	5%	1/6W	
R1756	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1757	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1759	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1761	1-249-405-91	CARBON	100	5%	1/4W	F
R1762	1-247-764-11	CARBON	10K	5%	1/2W	
R1763	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1764	1-249-496-11	CARBON	100K	5%	1/2W	
R1801	1-259-428-61	CARBON	1K	5%	1/6W	
R1802	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1803	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1804	1-249-409-91	CARBON	220	5%	1/4W	F
R1805	1-259-416-61	CARBON	330	5%	1/6W	
R1806	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1807	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1809	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1811	1-249-405-91	CARBON	100	5%	1/4W	F
R1812	1-247-764-11	CARBON	10K	5%	1/2W	
R1813	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1814	1-249-496-11	CARBON	100K	5%	1/2W	
R1851	1-259-428-61	CARBON	1K	5%	1/6W	
R1852	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1853	1-249-409-91	CARBON	220	5%	1/4W	F
⚠ R1854	1-249-409-91	CARBON	220	5%	1/4W	F
R1855	1-259-416-61	CARBON	330	5%	1/6W	
R1856	1-259-440-61	CARBON	3.3K	5%	1/6W	
R1857	1-259-436-61	CARBON	2.2K	5%	1/6W	
R1859	1-260-116-11	CARBON	27K	5%	1/2W	
⚠ R1861	1-249-405-91	CARBON	100	5%	1/4W	F
R1862	1-247-764-11	CARBON	10K	5%	1/2W	
R1863	1-247-759-11	CARBON	3.9K	5%	1/2W	
R1864	1-249-496-11	CARBON	100K	5%	1/2W	
R1901	1-259-460-61	CARBON	22K	5%	1/6W	
R1902	1-259-460-61	CARBON	22K	5%	1/6W	
⚠ R1903	1-249-393-91	CARBON	10	5%	1/4W	F
R1904	1-259-460-61	CARBON	22K	5%	1/6W	
⚠ R1905	1-216-455-51	METAL OXIDE	560	5%	2W	F
R1906	1-259-460-61	CARBON	22K	5%	1/6W	
R1907	1-259-476-61	CARBON	100K	5%	1/6W	
⚠ R1908	1-215-888-51	METAL OXIDE	220	5%	2W	F
R1909	1-249-435-11	CARBON	33K	5%	1/4W	
R1910	1-247-891-00	CARBON	330K	5%	1/4W	
R1920	1-247-831-91	CARBON	1K	5%	1/4W	
R1921	1-247-862-11	CARBON	20K	5%	1/4W	
R1922	1-247-843-11	CARBON	3.3K	5%	1/4W	
R1924	1-249-429-11	CARBON	10K	5%	1/4W	
R1925	1-247-864-11	CARBON	24K	5%	1/4W	
R1927	1-249-429-11	CARBON	10K	5%	1/4W	
R1930	1-249-429-11	CARBON	10K	5%	1/4W	
R1931	1-247-831-91	CARBON	1K	5%	1/4W	
R1932	1-249-429-11	CARBON	10K	5%	1/4W	
R1936	1-249-426-11	CARBON	5.6K	5%	1/4W	
R1937	1-249-421-11	CARBON	2.2K	5%	1/4W	

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Ref. No.	Part No.	Description				Remark
	A-1538-071-A	AC BOARD, COMPLETE (US, CND)				
	A-1538-134-A	AC BOARD, COMPLETE (AEP, ECE, UK)				
		******************				
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3				
		< CAPACITOR >				
C50	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C51	1-126-964-11	ELECT	10uF	20%	50V	
C52	1-126-943-11	ELECT	2200uF	20%	25V	
C53	1-126-943-11	ELECT	2200uF	20%	25V	
C54	1-164-315-11	CERAMIC CHIP	470PF	5%	50V	
C55	1-136-287-11	FILM	0.0047uF	5%	100V	
C56	1-137-465-11	MYLAR	0.056uF	5%	100V	
C57	1-126-941-11	ELECT	470uF	20%	25V	
C58	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
⚠ C59	1-113-925-51	CERAMIC	0.01uF	20%	250V	
		< CONNECTOR >				
⚠ CN001	1-251-718-11	OUTLET (2 GANG), AC (AC OUTLET) (US, CND)				
⚠ CNP02	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P				
⚠ CNP51	1-564-321-11	PIN, CONNECTOR (3.96mm PITCH) 2P				
CNP53	1-774-108-11	PIN, CONNECTOR (PC BOARD)				
CNP54	1-784-922-11	PIN, CONNECTOR 5P				
		< DIODE >				
D51	6-500-522-31	DIODE 10EDB40-TB5				
D52	6-500-522-31	DIODE 10EDB40-TB5				
D53	6-500-522-31	DIODE 10EDB40-TB5				
D54	6-500-522-31	DIODE 10EDB40-TB5				
D55	6-500-522-31	DIODE 10EDB40-TB5				
D56	6-501-817-01	DIODE MA2J1110GLS0				
D57	6-501-817-01	DIODE MA2J1110GLS0				
D58	6-501-817-01	DIODE MA2J1110GLS0				
D61	8-719-069-56	DIODE UDZSNPTE-176.2B				
		< EARTH TERMINAL >				
* EE51	1-537-738-21	TERMINAL, EARTH				
		< FUSE HOLDER >				
FH01	1-533-233-11	FUSE HOLDER				
FH02	1-533-233-11	FUSE HOLDER				
FH03	1-533-233-11	FUSE HOLDER (US, CND)				
FH04	1-533-233-11	FUSE HOLDER (US, CND)				
		< IC >				
IC51	8-759-450-47	IC BA05T				
		< TRANSISTOR >				
Q51	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q52	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF			
Q53	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
Q54	8-729-140-97	TRANSISTOR	2SB734-34			
Q55	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
		< RESISTOR >				
R51	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R52	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	
R53	1-216-837-11	METAL CHIP	22K	5%	1/10W	
R54	1-216-821-11	METAL CHIP	1K	5%	1/10W	
R55	1-216-833-11	METAL CHIP	10K	5%	1/10W	

Ref. No.	Part No.	Description			Remark
R58	1-259-179-31	CARBON	3.3K	5%	1/4W
R59	1-216-833-11	METAL CHIP	10K	5%	1/10W
R60	1-249-389-11	CARBON	4.7	5%	1/4W
R61	1-216-819-11	METAL CHIP	680	5%	1/10W
		< RELAY >			
⚠ RY01	1-755-266-11	RELAY, AC POWER			
		< TRANSFORMER >			
⚠ T002	1-445-518-11	POWER SOURCE TRANSFORMER (US, CND)			
⚠ T002	1-445-519-11	POWER SOURCE TRANSFORMER (AEP, ECE, UK)			
		< THERMISTOR >			
⚠ TH50	1-804-046-21	THERMISTOR, POSITIVE (RXE030)			

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ACSW BOARD
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Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
⚠ CN1	1-564-321-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN2	1-564-704-41	PIN, CONNECTOR (SMALL TYPE) 2P			
		< SWITCH >			
⚠ SW1	1-786-377-11	SWITCH, POWER (POWER)			

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A-1538-077-A ANALOG BOARD, COMPLETE (US, CND)
A-1538-712-A ANALOG BOARD, COMPLETE (AEP, ECE, UK)
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR/JUMPER RESISTOR >			
C391	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C392	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C393	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C394	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C395	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C396	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C397	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C398	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C401	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C402	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C403	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C404	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C405	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C406	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C407	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C408	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C411	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C412	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C413	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C414	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C415	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C416	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C417	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C418	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C419	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C421	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C422	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C423	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C424	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C425	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C426	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C427	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C431	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C432	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C433	1-110-645-11	ELECT	10uF	20%	63V
C434	1-114-264-91	ELECT	470uF	20%	16V
C435	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C436	1-125-896-91	MYLAR	0.0091uF	5%	50V
C437	1-136-159-00	MYLAR	0.033uF	5%	50V
C438	1-110-645-11	ELECT	10uF	20%	63V
C439	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C440	1-114-263-91	ELECT	47uF	20%	25V
C451	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C452	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C453	1-110-645-11	ELECT	10uF	20%	63V
C454	1-114-264-91	ELECT	470uF	20%	16V
C455	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C456	1-125-896-91	MYLAR	0.0091uF	5%	50V
C457	1-136-159-00	MYLAR	0.033uF	5%	50V
C458	1-110-645-11	ELECT	10uF	20%	63V
C459	1-163-033-91	CERAMIC CHIP	0.022uF		50V
C460	1-114-263-91	ELECT	47uF	20%	25V
C471	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C472	1-110-390-11	ELECT	22uF	20%	63V
C473	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C474	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C481	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C482	1-110-390-11	ELECT	22uF	20%	63V
C483	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C484	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C486	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C491	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C492	1-110-390-11	ELECT	22uF	20%	63V
C493	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C494	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C495	1-114-263-91	ELECT	47uF	20%	25V
C501	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C502	1-110-390-11	ELECT	22uF	20%	63V
C503	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C504	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C505	1-114-263-91	ELECT	47uF	20%	25V
C506	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C511	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C513	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C521	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C523	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C530	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C533	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C534	1-114-263-91	ELECT	47uF	20%	25V
C540	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C543	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C544	1-114-263-91	ELECT	47uF	20%	25V
C551	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C553	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C561	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C563	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C581	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C586	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

ANALOG

Ref. No.	Part No.	Description			Remark
C591	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C593	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C601	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C603	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C611	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C613	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C621	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C623	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C631	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C636	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C641	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C643	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C644	1-114-263-91	ELECT	47uF	20%	25V
C651	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C653	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C654	1-114-263-91	ELECT	47uF	20%	25V
C661	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C666	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C671	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C673	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C681	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C683	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C692	1-114-262-21	ELECT	2200uF	20%	25V
C693	1-114-262-21	ELECT	2200uF	20%	25V
C694	1-112-090-11	ELECT	100uF	20%	25V
C720	1-163-025-11	CERAMIC CHIP	0.001uF		50V (US, CND)
C721	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C722	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C724	1-163-025-11	CERAMIC CHIP	0.001uF		50V (US, CND)
C727	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C728	1-114-263-91	ELECT	47uF	20%	25V (US, CND)
C730	1-163-139-00	CERAMIC CHIP	820PF	5%	50V (US, CND)
C733	1-163-139-00	CERAMIC CHIP	820PF	5%	50V (US, CND)
C734	1-114-263-91	ELECT	47uF	20%	25V
C735	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C736	1-112-085-11	ELECT	1000uF	20%	16V
C737	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C741	1-126-947-11	ELECT	47uF	20%	35V
C742	1-126-947-11	ELECT	47uF	20%	35V
C745	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C746	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C747	1-114-263-91	ELECT	47uF	20%	25V
C748	1-114-263-91	ELECT	47uF	20%	25V
C749	1-216-295-91	SHORT CHIP	0		
C750	1-216-295-91	SHORT CHIP	0		
C751	1-216-295-91	SHORT CHIP	0		
C752	1-216-295-91	SHORT CHIP	0		
C753	1-216-295-91	SHORT CHIP	0		
C754	1-216-295-91	SHORT CHIP	0		
		< CONNECTOR >			
CN601	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P			
CN603	1-568-830-11	CONNECTOR, FFC 11P (AEP, ECE, UK)			

Ref. No.	Part No.	Description				Remark
CN604	1-784-770-11	CONNECTOR, FFC 9P (US, CND)				
CN605	1-784-926-11	PIN, CONNECTOR 11P				
CN606	1-779-978-11	PIN, CONNECTOR 3P				
CN607	1-784-927-11	PIN, CONNECTOR 12P				
CN608	1-784-924-11	PIN, CONNECTOR 8P				
CN725	1-821-182-11	SOCKET, DIN 8P (SIRIUS) (US, CND)				
CN726	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P				
CN727	1-766-724-11	CONNECTOR, BOARD TO BOARD 7P				
		< DIODE >				
D486	6-501-817-01	DIODE MA2J1110GLS0				
D506	6-501-817-01	DIODE MA2J1110GLS0				
		< IC >				
IC391	6-712-360-01	IC TC9273CFG-013				
IC392	6-710-005-01	IC TC9273CFG-004				
IC401	6-712-360-01	IC TC9273CFG-013				
IC402	6-710-005-01	IC TC9273CFG-004				
IC411	6-712-360-01	IC TC9273CFG-013				
IC412	6-710-005-01	IC TC9273CFG-004				
IC421	6-712-360-01	IC TC9273CFG-013				
IC422	6-710-005-01	IC TC9273CFG-004				
IC440	8-759-710-97	IC NJM4565M-D				
IC480	8-759-710-97	IC NJM4565M-D				
IC520	8-759-710-97	IC NJM4565M-D				
IC540	8-759-710-97	IC NJM4565M-D				
IC560	8-759-710-97	IC NJM4565M-D				
IC590	8-759-710-97	IC NJM4565M-D				
IC600	8-759-710-97	IC NJM4565M-D				
IC620	8-759-710-97	IC NJM4565M-D				
IC622	8-759-710-97	IC NJM4565M-D				
IC624	8-759-710-97	IC NJM4565M-D (US, CND)				
IC640	8-759-710-97	IC NJM4565M-D				
IC654	6-701-011-01	IC uPC2910T-E1				
IC672	8-759-710-97	IC NJM4565M-D				
		< JACK >				
J430	1-821-674-11	JACK, PIN 2P (PHONO IN)				
J470	1-784-429-11	JACK, PIN 4P (ZONE 2/ZONE 3 AUDIO OUT)				
J550	1-784-920-11	JACK, PIN 6P (SAT/DVD/BD AUDIO IN)				
J620	1-784-920-11	JACK, PIN 6P (VIDEO 1 AUDIO IN/OUT, TV IN)				
J650	1-784-429-11	JACK, PIN 4P (MD IN/OUT)				
J660	1-784-429-11	JACK, PIN 4P (TAPE IN/OUT)				
		< COIL >				
L730	1-414-493-41	INDUCTOR	4.7mH			
		< RESISTOR >				
R391	1-216-615-11	METAL CHIP	33	0.5%	1/10W	
R392	1-216-615-11	METAL CHIP	33	0.5%	1/10W	
R393	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R394	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R395	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R396	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R397	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R399	1-216-615-11	METAL CHIP	33	0.5%	1/10W	
R400	1-216-615-11	METAL CHIP	33	0.5%	1/10W	
R401	1-216-615-11	METAL CHIP	33	0.5%	1/10W	
R402	1-216-615-11	METAL CHIP	33	0.5%	1/10W	

Ref. No.	Part No.	Description			Remark
R403	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R404	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R405	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R406	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R407	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R408	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R409	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R410	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R411	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R412	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R413	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R414	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R415	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R416	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R417	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R418	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R419	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R420	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R421	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R422	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R423	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R424	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R425	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R426	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R427	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R428	1-216-615-11	METAL CHIP	33	0.5%	1/10W
R429	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R430	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R431	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R432	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R433	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R434	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R435	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R436	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R437	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R438	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R439	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R440	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R441	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R451	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R452	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R453	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R454	1-216-633-11	METAL CHIP	180	0.5%	1/10W
R455	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R456	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R457	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R458	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R459	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R460	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R471	1-208-437-41	RES-CHIP	1K	2%	1/10W
R472	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R473	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R474	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R475	1-208-526-41	RES-CHIP	47K	2%	1/10W
R481	1-208-437-41	RES-CHIP	1K	2%	1/10W
R482	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R483	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R484	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R485	1-208-526-41	RES-CHIP	47K	2%	1/10W
R486	1-208-462-41	RES-CHIP	10K	2%	1/10W
R487	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
⚠ R488	1-249-393-91	CARBON	10	5%	1/4W F
R491	1-208-437-41	RES-CHIP	1K	2%	1/10W
R492	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R493	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R494	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R495	1-208-526-41	RES-CHIP	47K	2%	1/10W
R501	1-208-437-41	RES-CHIP	1K	2%	1/10W
R502	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R503	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R504	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R505	1-208-526-41	RES-CHIP	47K	2%	1/10W
R506	1-208-462-41	RES-CHIP	10K	2%	1/10W
R507	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
⚠ R508	1-249-393-91	CARBON	10	5%	1/4W F
R511	1-208-437-41	RES-CHIP	1K	2%	1/10W
R512	1-208-526-41	RES-CHIP	47K	2%	1/10W
R521	1-208-437-41	RES-CHIP	1K	2%	1/10W
R522	1-208-526-41	RES-CHIP	47K	2%	1/10W
R531	1-208-437-41	RES-CHIP	1K	2%	1/10W
R532	1-208-526-41	RES-CHIP	47K	2%	1/10W
R541	1-208-437-41	RES-CHIP	1K	2%	1/10W
R542	1-208-526-41	RES-CHIP	47K	2%	1/10W
R551	1-208-437-41	RES-CHIP	1K	2%	1/10W
R552	1-208-526-41	RES-CHIP	47K	2%	1/10W
R561	1-208-437-41	RES-CHIP	1K	2%	1/10W
R562	1-208-526-41	RES-CHIP	47K	2%	1/10W
R578	1-216-295-91	SHORT CHIP	0		
R580	1-216-295-91	SHORT CHIP	0		
R581	1-208-437-41	RES-CHIP	1K	2%	1/10W
R586	1-208-437-41	RES-CHIP	1K	2%	1/10W
R591	1-208-437-41	RES-CHIP	1K	2%	1/10W
R592	1-208-526-41	RES-CHIP	47K	2%	1/10W
R601	1-208-437-41	RES-CHIP	1K	2%	1/10W
R602	1-208-526-41	RES-CHIP	47K	2%	1/10W
R611	1-208-437-41	RES-CHIP	1K	2%	1/10W
R612	1-208-526-41	RES-CHIP	47K	2%	1/10W
R621	1-208-437-41	RES-CHIP	1K	2%	1/10W
R622	1-208-526-41	RES-CHIP	47K	2%	1/10W
R631	1-208-437-41	RES-CHIP	1K	2%	1/10W
R636	1-208-437-41	RES-CHIP	1K	2%	1/10W
R641	1-208-437-41	RES-CHIP	1K	2%	1/10W
R642	1-208-526-41	RES-CHIP	47K	2%	1/10W
R651	1-208-437-41	RES-CHIP	1K	2%	1/10W
R652	1-208-526-41	RES-CHIP	47K	2%	1/10W
R661	1-208-437-41	RES-CHIP	1K	2%	1/10W
R666	1-208-437-41	RES-CHIP	1K	2%	1/10W
R671	1-208-437-41	RES-CHIP	1K	2%	1/10W
R672	1-208-526-41	RES-CHIP	47K	2%	1/10W
R681	1-208-437-41	RES-CHIP	1K	2%	1/10W
R682	1-208-526-41	RES-CHIP	47K	2%	1/10W
R683	1-216-295-91	SHORT CHIP	0		
R684	1-216-295-91	SHORT CHIP	0		
R685	1-216-295-91	SHORT CHIP	0		
R686	1-216-295-91	SHORT CHIP	0		
R687	1-216-295-91	SHORT CHIP	0		
R688	1-216-295-91	SHORT CHIP	0		
R689	1-216-295-91	SHORT CHIP	0		
R690	1-216-295-91	SHORT CHIP	0		

ANALOG **A-VIDEO**

Ref. No.	Part No.	Description			Remark
R711	1-208-526-41	RES-CHIP	47K	2%	1/10W (US, CND)
R725	1-208-526-41	RES-CHIP	47K	2%	1/10W (US, CND)
R741	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R742	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R743	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R744	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R745	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R746	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R747	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R751	1-216-295-91	SHORT CHIP	0 (AEP, ECE, UK)		
R751	1-216-308-00	METAL CHIP	4.7	5%	1/10W (US, CND)
R753	1-208-526-41	RES-CHIP	47K	2%	1/10W
R754	1-208-526-41	RES-CHIP	47K	2%	1/10W
		< RELAY >			
RY486	1-755-486-11	RELAY			
RY506	1-755-486-11	RELAY			
		< TRANSISTOR >			
TR486	8-729-230-49	TRANSISTOR	2SC2712-YG		
TR506	8-729-230-49	TRANSISTOR	2SC2712-YG		

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Ref. No.	Part No.	Description			Remark
	A-1538-078-A	A-VIDEO BOARD, COMPLETE (US, CND)			
	A-1538-137-A	A-VIDEO BOARD, COMPLETE (AEP, ECE, UK)			
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		< CAPACITOR >			
C6002	1-126-964-11	ELECT	10uF	20%	50V
C6003	1-126-964-11	ELECT	10uF	20%	50V
C6004	1-126-964-11	ELECT	10uF	20%	50V
C6005	1-126-964-11	ELECT	10uF	20%	50V
C6006	1-126-964-11	ELECT	10uF	20%	50V
C6007	1-126-964-11	ELECT	10uF	20%	50V
C6008	1-126-964-11	ELECT	10uF	20%	50V
C6009	1-126-964-11	ELECT	10uF	20%	50V
C6010	1-126-964-11	ELECT	10uF	20%	50V
C6011	1-126-964-11	ELECT	10uF	20%	50V
C6012	1-126-964-11	ELECT	10uF	20%	50V
C6013	1-126-964-11	ELECT	10uF	20%	50V
C6014	1-126-964-11	ELECT	10uF	20%	50V
C6015	1-126-960-11	ELECT	1uF	20%	50V
C6016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6023	1-104-655-91	ELECT	470uF	20%	6.3V (US, CND)
C6024	1-126-960-11	ELECT	1uF	20%	50V
C6025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6028	1-126-964-11	ELECT	10uF	20%	50V
C6029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6034	1-126-947-11	ELECT	47uF	20%	35V
C6035	1-126-947-11	ELECT	47uF	20%	35V
C6037	1-104-658-91	ELECT	100uF	20%	10V
C6038	1-104-658-91	ELECT	100uF	20%	10V
C6039	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6041	1-104-658-91	ELECT	100uF	20%	10V (US, CND)
C6043	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6047	1-126-947-11	ELECT	47uF	20%	35V
C6048	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6051	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6052	1-104-662-91	ELECT	22uF	20%	25V
C6053	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6054	1-126-962-11	ELECT	3.3uF	20%	50V
C6055	1-126-962-11	ELECT	3.3uF	20%	50V
C6056	1-104-658-91	ELECT	100uF	20%	10V
C6057	1-104-658-91	ELECT	100uF	20%	10V
C6058	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6059	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6060	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6063	1-126-947-11	ELECT	47uF	20%	35V
C6064	1-126-916-11	ELECT	1000uF	20%	6.3V
C6065	1-126-916-11	ELECT	1000uF	20%	6.3V
C6066	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6067	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6068	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6069	1-100-717-91	CERAMIC CHIP	1uF		16V
C6070	1-126-960-11	ELECT	1uF	20%	50V
C6071	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C6072	1-100-717-91	CERAMIC CHIP	1uF		16V
C6073	1-104-665-11	ELECT	100uF	20%	25V
C6074	1-126-964-11	ELECT	10uF	20%	50V
C6075	1-126-964-11	ELECT	10uF	20%	50V
C6076	1-126-964-11	ELECT	10uF	20%	50V
C6077	1-126-964-11	ELECT	10uF	20%	50V
C6078	1-126-964-11	ELECT	10uF	20%	50V
C6079	1-126-964-11	ELECT	10uF	20%	50V
C6080	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6081	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6082	1-126-923-91	ELECT	220uF	20%	10V (US, CND)
C6083	1-104-658-91	ELECT	100uF	20%	10V (US, CND)
C6084	1-126-916-11	ELECT	1000uF	20%	6.3V (US, CND)
C6085	1-126-916-11	ELECT	1000uF	20%	6.3V (US, CND)
C6086	1-126-916-11	ELECT	1000uF	20%	6.3V (US, CND)
C6141	1-126-964-11	ELECT	10uF	20%	50V
C6142	1-126-947-11	ELECT	47uF	20%	35V
C6143	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description	Remark
C6144	1-126-947-11	ELECT 47uF 20%	35V
C6145	1-126-947-11	ELECT 47uF 20%	35V
C6146	1-126-964-11	ELECT 10uF 20%	50V
C6147	1-126-964-11	ELECT 10uF 20%	50V
C6148	1-126-964-11	ELECT 10uF 20%	50V
C6149	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C6150	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
C6151	1-162-927-11	CERAMIC CHIP 100PF 5%	50V
		< CONNECTOR >	
CN6000	1-815-920-11	JACK, MODULAR (ZONE 2 VIDEO OUT) (US, CND)	
CN6001	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P	
CN6002	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P	
CN6003	1-770-469-21	PIN, CONNECTOR (PC BOARD) 2P	
CN6008	1-691-768-11	PLUG (MICRO CONNECTOR) 6P	
CN6009	1-564-320-00	PIN, CONNECTOR (3.96mm PITCH) 2P	
		< DIODE >	
D6001	6-501-817-01	DIODE MA2J1110GLS0	
D6002	6-501-817-01	DIODE MA2J1110GLS0	
D6003	6-501-817-01	DIODE MA2J1110GLS0	
D6004	6-501-817-01	DIODE MA2J1110GLS0	
D6005	6-501-817-01	DIODE MA2J1110GLS0	
D6006	6-501-817-01	DIODE MA2J1110GLS0	
D6007	8-719-210-39	DIODE EC10QS-04 (US, CND)	
		< IC >	
IC6001	6-706-767-01	IC NJM2586AM	
IC6002	8-759-474-37	IC NJM2279M-TE2	
IC6003	6-712-849-01	IC NJW1351RB1 (TE2)	
IC6004	6-712-760-01	IC NJW1321FP1	
IC6005	6-711-268-01	IC EL5370IUZ-T7 (US, CND)	
IC6006	6-704-284-01	IC NJM2581M-TE2	
IC6007	6-705-525-01	IC AN15856A	
IC6008	8-759-822-05	IC LA7213	
IC6009	8-759-822-05	IC LA7213	
IC6010	6-705-469-01	IC BA50BC0FP-E2	
IC6011	6-708-913-01	IC TK73400AU3G0L-C	
IC6012	6-700-394-01	IC BA25BC0FP-E2 (US, CND)	
		< JACK >	
J6001	1-815-043-11	JACK, PIN 2P (EXT VIDEO IN, MONITOR VIDEO OUT)	
J6002	1-774-227-41	JACK, PIN 1P (ZONE 2 VIDEO OUT)	
J6003	1-794-978-11	JACK, PIN 3P (SAT/DVD/BD VIDEO IN)	
J6004	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN/OUT)	
J6005	1-821-278-12	JACK 3P (COMPONENT VIDEO ASSIGNABLE (INPUT ONLY) ZONE 2 OUT)	
J6006	1-821-278-12	JACK 3P (COMPONENT VIDEO ASSIGNABLE (INPUT ONLY) MONITOR OUT)	
J6007	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO ASSIGNABLE (INPUT ONLY) IN 1/IN 2/IN3)	
		< TRANSISTOR >	
Q6001	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q6002	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q6003	8-729-038-28	TRANSISTOR RT1N441C-TP-1	
Q6004	8-729-038-28	TRANSISTOR RT1N441C-TP-1	

Ref. No.	Part No.	Description	Remark
		< RESISTOR >	
R6002	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6003	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6004	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6005	1-216-833-11	METAL CHIP 10K 5%	1/10W
R6010	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6011	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6012	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6013	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6014	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6015	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6016	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6017	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6018	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6019	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6020	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6021	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6022	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6024	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6025	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6026	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6027	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6028	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6029	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6030	1-211-986-11	METAL CHIP 51 0.5%	1/10W (US, CND)
R6031	1-211-986-11	METAL CHIP 51 0.5%	1/10W (US, CND)
R6032	1-211-986-11	METAL CHIP 51 0.5%	1/10W (US, CND)
R6033	1-211-986-11	METAL CHIP 51 0.5%	1/10W (US, CND)
R6034	1-211-986-11	METAL CHIP 51 0.5%	1/10W (US, CND)
R6035	1-211-986-11	METAL CHIP 51 0.5%	1/10W (US, CND)
R6036	1-211-990-11	METAL CHIP 75 0.5%	1/10W (US, CND)
R6037	1-211-990-11	METAL CHIP 75 0.5%	1/10W (US, CND)
R6038	1-211-990-11	METAL CHIP 75 0.5%	1/10W (US, CND)
R6039	1-216-864-11	SHORT CHIP 0 (US, CND)	
R6040	1-216-864-11	SHORT CHIP 0 (US, CND)	
R6041	1-216-864-11	SHORT CHIP 0 (US, CND)	
R6045	1-216-815-11	METAL CHIP 330 5%	1/10W
R6046	1-216-815-11	METAL CHIP 330 5%	1/10W
R6047	1-216-815-11	METAL CHIP 330 5%	1/10W
R6048	1-216-815-11	METAL CHIP 330 5%	1/10W
R6049	1-216-847-11	METAL CHIP 150K 5%	1/10W
R6050	1-216-847-11	METAL CHIP 150K 5%	1/10W
R6051	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R6052	1-216-829-11	METAL CHIP 4.7K 5%	1/10W
R6053	1-216-821-11	METAL CHIP 1K 5%	1/10W
R6054	1-216-821-11	METAL CHIP 1K 5%	1/10W
R6055	1-218-903-11	METAL CHIP 220K 0.5%	1/10W
R6056	1-218-883-11	METAL CHIP 33K 0.5%	1/10W
R6064	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6065	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6066	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R6067	1-211-990-11	METAL CHIP 75 0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R6068	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6069	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R6071	1-216-833-11	METAL CHIP	10K	5%	1/10W
R6072	1-216-809-11	METAL CHIP	100	5%	1/10W
R6073	1-216-809-11	METAL CHIP	100	5%	1/10W
R6074	1-216-809-11	METAL CHIP	100	5%	1/10W
R6075	1-216-809-11	METAL CHIP	100	5%	1/10W
R6078	1-216-817-11	METAL CHIP	470	5%	1/10W (US, CND)

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A-1530-379-A BIAS BOARD, COMPLETE
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C1521	1-126-947-11	ELECT	47uF	20%	35V
C1571	1-126-947-11	ELECT	47uF	20%	35V
C1621	1-126-947-11	ELECT	47uF	20%	35V
C1721	1-126-947-11	ELECT	47uF	20%	35V
C1771	1-126-947-11	ELECT	47uF	20%	35V
C1821	1-126-947-11	ELECT	47uF	20%	35V
C1871	1-126-947-11	ELECT	47uF	20%	35V
C1905	1-126-965-91	ELECT	22uF	20%	50V
C1906	1-104-655-91	ELECT	470uF	20%	6.3V
C1907	1-128-805-11	CERAMIC	47PF	5%	50V
C1908	1-128-805-11	CERAMIC	47PF	5%	50V
		< CONNECTOR >			
CN1512	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P			
CN1513	1-784-031-41	CONNECTOR, BOARD TO BOARD 8P			
* CN1705	1-573-828-11	CONNECTOR, BOARD TO BOARD 14P			
* CN1803	1-573-828-11	CONNECTOR, BOARD TO BOARD 14P			
CN1910	1-770-010-21	CONNECTOR, BOARD TO BOARD 4P			
* CN1911	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P			
		< DIODE >			
D1904	8-719-991-33	DIODE 1SS133T-77			
D1905	8-719-991-33	DIODE 1SS133T-77			
D1908	8-719-991-33	DIODE 1SS133T-77			
D1909	8-719-991-33	DIODE 1SS133T-77			
D1910	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC1901	8-759-167-88	IC NJM4565D			
		< TRANSISTOR >			
Q1904	8-729-281-53	TRANSISTOR	2SC1815-GR		
Q1905	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA		
Q1906	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1907	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP		
Q1908	8-729-029-86	TRANSISTOR	DTC124ESA		
		< RESISTOR >			
R1521	1-259-440-61	CARBON	3.3K	5%	1/6W
R1522	1-259-428-61	CARBON	1K	5%	1/6W
R1524	1-259-468-61	CARBON	47K	5%	1/6W
R1571	1-259-440-61	CARBON	3.3K	5%	1/6W
R1572	1-259-428-61	CARBON	1K	5%	1/6W
R1574	1-259-468-61	CARBON	47K	5%	1/6W
R1621	1-259-440-61	CARBON	3.3K	5%	1/6W
R1622	1-259-428-61	CARBON	1K	5%	1/6W
R1624	1-259-468-61	CARBON	47K	5%	1/6W
R1721	1-259-440-61	CARBON	3.3K	5%	1/6W
R1722	1-259-428-61	CARBON	1K	5%	1/6W
R1724	1-259-468-61	CARBON	47K	5%	1/6W
R1771	1-259-440-61	CARBON	3.3K	5%	1/6W
R1772	1-259-428-61	CARBON	1K	5%	1/6W
R1774	1-259-468-61	CARBON	47K	5%	1/6W
R1821	1-259-440-61	CARBON	3.3K	5%	1/6W
R1822	1-259-428-61	CARBON	1K	5%	1/6W
R1824	1-259-468-61	CARBON	47K	5%	1/6W
R1871	1-259-440-61	CARBON	3.3K	5%	1/6W
R1872	1-259-428-61	CARBON	1K	5%	1/6W
R1874	1-259-468-61	CARBON	47K	5%	1/6W
R1911	1-247-863-91	CARBON	22K	5%	1/4W
R1912	1-249-429-11	CARBON	10K	5%	1/4W
R1913	1-249-429-11	CARBON	10K	5%	1/4W
R1914	1-247-863-91	CARBON	22K	5%	1/4W
R1915	1-247-863-91	CARBON	22K	5%	1/4W
R1916	1-249-430-11	CARBON	12K	5%	1/4W
R1917	1-247-895-00	CARBON	470K	5%	1/4W
R1918	1-247-871-91	CARBON	47K	5%	1/4W
R1919	1-249-429-11	CARBON	10K	5%	1/4W
R1923	1-247-831-91	CARBON	1K	5%	1/4W
R1929	1-249-429-11	CARBON	10K	5%	1/4W
		< VARIABLE RESISTOR >			
RV1501	1-238-595-11	RES, ADJ, CARBON 220			
RV1551	1-238-595-11	RES, ADJ, CARBON 220			
RV1601	1-238-595-11	RES, ADJ, CARBON 220			
RV1701	1-238-595-11	RES, ADJ, CARBON 220			
RV1751	1-238-595-11	RES, ADJ, CARBON 220			
RV1801	1-238-595-11	RES, ADJ, CARBON 220			
RV1851	1-238-595-11	RES, ADJ, CARBON 220			

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A-1538-073-A CIS BOARD, COMPLETE (US, CND)
A-1538-135-A CIS BOARD, COMPLETE (AEP, ECE, UK)
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C801	1-126-923-91	ELECT	220uF	20%	10V
C802	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C803	1-126-961-11	ELECT	2.2uF	20%	50V
C804	1-126-947-11	ELECT	47uF	20%	35V
C805	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C821	1-126-960-11	ELECT	1uF	20%	50V
C831	1-126-960-11	ELECT	1uF	20%	50V
C841	1-126-960-11	ELECT	1uF	20%	50V
C851	1-126-767-11	ELECT	1000uF	20%	16V
C852	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN807	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
		< DIODE >			
D801	6-501-817-01	DIODE MA2J1110GLS0			
D802	8-719-075-86	LED SID307BRTP19 (REMOTE CONTROL TRANSMITTER)			
D803	6-501-817-01	DIODE MA2J1110GLS0			

Ref. No.	Part No.	Description				Remark
		< IC >				
IC802	6-700-587-01	IC TC7W53F (TE12R)				
IC806	6-600-349-21	IC NJL23H400A				
		< JACK >				
J801	1-563-330-31	JACK (IR REMOTE IN)				
J802	1-563-330-31	JACK (IR REMOTE OUT 1)				
J803	1-563-330-31	JACK (IR REMOTE OUT 2)				
J821	1-563-330-31	JACK (TRIGGER OUT MAIN)				
J831	1-563-330-31	JACK (TRIGGER OUT ZONE 2)				
J841	1-563-330-31	JACK (TRIGGER OUT ZONE 3)				
		< TRANSISTOR >				
Q821	8-729-037-13	TRANSISTOR	KTA1271Y			
Q822	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q831	8-729-037-13	TRANSISTOR	KTA1271Y			
Q832	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q841	8-729-037-13	TRANSISTOR	KTA1271Y			
Q842	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
		< RESISTOR >				
R801	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R802	1-216-797-11	METAL CHIP	10	5%	1/10W	
R803	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R805	1-216-845-11	METAL CHIP	100K	5%	1/10W	
R806	1-216-809-11	METAL CHIP	100	5%	1/10W	
R807	1-216-809-11	METAL CHIP	100	5%	1/10W	
R808	1-216-809-11	METAL CHIP	100	5%	1/10W	
R809	1-216-295-91	SHORT CHIP	0			
R811	1-216-150-91	METAL CHIP	10	5%	1/8W	
R812	1-216-150-91	METAL CHIP	10	5%	1/8W	
R822	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R823	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R824	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R825	1-216-809-11	METAL CHIP	100	5%	1/10W	
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R833	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R835	1-216-809-11	METAL CHIP	100	5%	1/10W	
R842	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R843	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	
R844	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R845	1-216-809-11	METAL CHIP	100	5%	1/10W	
		< THERMISTOR >				
TH821	1-801-726-11	THERMISTOR, POSITIVE				
TH831	1-801-726-11	THERMISTOR, POSITIVE				
TH841	1-801-726-11	THERMISTOR, POSITIVE				

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CONNECTOR1 BOARD
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Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN1207	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P	
CN1209	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P	

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CONNECTOR2 BOARD
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Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CN1205	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
CN1206	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	

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A-1538-081-A CONTROL BOARD, COMPLETE (US, CND)
A-1538-140-A CONTROL BOARD, COMPLETE (AEP, ECE, UK)
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Ref. No.	Part No.	Description				Remark
		< CAPACITOR >				
C2501	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2506	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2507	1-104-658-91	ELECT	100uF	20%	10V	
C2508	1-126-947-11	ELECT	47uF	20%	35V	
C2509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2512	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2513	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2516	1-100-717-91	CERAMIC CHIP	1uF		16V	
C2517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2519	1-126-960-11	ELECT	1uF	20%	50V	
C2520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2521	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2522	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C2523	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2530	1-104-662-91	ELECT	22uF	20%	25V	
C2531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2532	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2538	1-117-720-11	CERAMIC CHIP	4.7uF		10V	
C2539	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C2540	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2541	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C2542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2543	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C2544	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C2545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2546	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2547	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2548	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C2549	1-162-974-11	CERAMIC CHIP	0.01uF		50V	
C2550	1-162-974-11	CERAMIC CHIP	0.01uF		50V	

CONTROL

Ref. No.	Part No.	Description			Remark
C2551	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2552	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C2553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2554	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2558	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2559	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2560	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2562	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2563	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C2564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2565	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2570	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CONNECTOR >			
CN2501	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2502	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P			
CN2503	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
CN2504	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN2505	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P			
CN2506	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN2507	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P			
CN2508	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
CN2509	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CN2510	1-779-550-21	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
CN2512	1-766-600-21	CONNECTOR, BOARD TO BOARD 7P			
CN2513	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2514	1-785-125-21	CONNECTOR 6P			
CN2515	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P			
CN2516	1-784-930-11	PIN, CONNECTOR 15P			
CN2519	1-779-799-11	PIN, CONNECTOR 9P			
CN2520	1-784-928-11	PIN, CONNECTOR 13P			
		< DIODE >			
D2501	6-501-817-01	DIODE MA2J1110GLS0			
D2502	6-501-817-01	DIODE MA2J1110GLS0			
D2503	6-501-817-01	DIODE MA2J1110GLS0			
D2504	6-501-817-01	DIODE MA2J1110GLS0			
D2505	6-501-817-01	DIODE MA2J1110GLS0			
D2506	8-719-060-48	DIODE RB751V-40TE-17			
D2507	6-501-817-01	DIODE MA2J1110GLS0			
D2508	6-501-817-01	DIODE MA2J1110GLS0			
		< FERRITE BEAD >			
FB2501	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2502	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2503	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2504	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2505	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2506	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2507	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2508	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2509	1-469-152-11	FERRITE, EMI (SMD) (2012)			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC2501	8-759-679-36	IC TC7WT125FU (TE12R)			
IC2502	6-706-487-01	IC TC7SH08FU (T5RSOYJF)			
IC2503	6-706-487-01	IC TC7SH08FU (T5RSOYJF)			
IC2504	6-706-478-01	IC TC7SET08FU (T5RSOJF)			
IC2505	8-759-277-63	IC TC7W14FU (TE12R)			
IC2506	8-759-524-09	IC TC74VHC153FT (EL)			
IC2507	8-759-524-09	IC TC74VHC153FT (EL)			
IC2508	6-710-121-01	IC M24256-BWMN6TP (A)			
IC2509	8-759-277-63	IC TC7W14FU (TE12R)			
IC2510	6-702-913-01	IC S-80929CNMC-G8ZT2G			
IC2511	6-705-468-01	IC BA33BC0FP-E2			
IC2512	8-759-058-62	IC TC7S08FU (TE85R)			
IC2513	A-1566-607-A	IC MB91F467RAPMC-GE1 (for SERVICE)			
		< TRANSISTOR >			
Q2501	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q2502	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q2503	8-729-620-07	TRANSISTOR	2SC3052EF-T1-LEF		
Q2504	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF		
		< RESISTOR >			
R2501	1-216-809-11	METAL CHIP	100	5%	1/10W
R2502	1-216-809-11	METAL CHIP	100	5%	1/10W
R2503	1-216-809-11	METAL CHIP	100	5%	1/10W
R2504	1-216-809-11	METAL CHIP	100	5%	1/10W
R2505	1-216-809-11	METAL CHIP	100	5%	1/10W
R2506	1-216-809-11	METAL CHIP	100	5%	1/10W
R2507	1-216-809-11	METAL CHIP	100	5%	1/10W
R2508	1-216-809-11	METAL CHIP	100	5%	1/10W
R2509	1-216-809-11	METAL CHIP	100	5%	1/10W
R2510	1-216-809-11	METAL CHIP	100	5%	1/10W
R2511	1-216-809-11	METAL CHIP	100	5%	1/10W
R2512	1-216-809-11	METAL CHIP	100	5%	1/10W
R2513	1-216-809-11	METAL CHIP	100	5%	1/10W
R2514	1-216-809-11	METAL CHIP	100	5%	1/10W
R2515	1-216-809-11	METAL CHIP	100	5%	1/10W
R2516	1-216-809-11	METAL CHIP	100	5%	1/10W
R2517	1-216-809-11	METAL CHIP	100	5%	1/10W
R2518	1-216-809-11	METAL CHIP	100	5%	1/10W
R2519	1-216-809-11	METAL CHIP	100	5%	1/10W
R2520	1-216-841-11	METAL CHIP	47K	5%	1/10W
R2521	1-216-809-11	METAL CHIP	100	5%	1/10W
R2522	1-216-809-11	METAL CHIP	100	5%	1/10W
R2523	1-216-809-11	METAL CHIP	100	5%	1/10W
R2524	1-216-809-11	METAL CHIP	100	5%	1/10W
R2525	1-216-809-11	METAL CHIP	100	5%	1/10W
R2526	1-216-809-11	METAL CHIP	100	5%	1/10W
R2527	1-216-809-11	METAL CHIP	100	5%	1/10W
R2528	1-216-809-11	METAL CHIP	100	5%	1/10W
R2529	1-216-805-11	METAL CHIP	47	5%	1/10W
R2530	1-216-809-11	METAL CHIP	100	5%	1/10W
R2531	1-216-809-11	METAL CHIP	100	5%	1/10W
R2532	1-216-809-11	METAL CHIP	100	5%	1/10W
R2533	1-216-809-11	METAL CHIP	100	5%	1/10W
R2534	1-216-809-11	METAL CHIP	100	5%	1/10W
R2535	1-216-809-11	METAL CHIP	100	5%	1/10W
R2536	1-216-809-11	METAL CHIP	100	5%	1/10W
R2537	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2538	1-216-809-11	METAL CHIP	100	5%	1/10W
R2539	1-216-809-11	METAL CHIP	100	5%	1/10W
R2540	1-216-809-11	METAL CHIP	100	5%	1/10W
R2541	1-216-809-11	METAL CHIP	100	5%	1/10W
R2542	1-216-809-11	METAL CHIP	100	5%	1/10W
R2543	1-216-809-11	METAL CHIP	100	5%	1/10W
R2544	1-216-809-11	METAL CHIP	100	5%	1/10W
R2545	1-216-809-11	METAL CHIP	100	5%	1/10W
R2546	1-216-809-11	METAL CHIP	100	5%	1/10W
R2547	1-216-809-11	METAL CHIP	100	5%	1/10W
R2548	1-216-809-11	METAL CHIP	100	5%	1/10W
R2549	1-216-809-11	METAL CHIP	100	5%	1/10W
R2550	1-216-809-11	METAL CHIP	100	5%	1/10W
R2551	1-216-809-11	METAL CHIP	100	5%	1/10W
R2552	1-216-809-11	METAL CHIP	100	5%	1/10W
R2553	1-216-809-11	METAL CHIP	100	5%	1/10W
R2554	1-216-809-11	METAL CHIP	100	5%	1/10W
R2555	1-216-809-11	METAL CHIP	100	5%	1/10W
R2556	1-216-809-11	METAL CHIP	100	5%	1/10W
R2557	1-216-809-11	METAL CHIP	100	5%	1/10W
R2558	1-216-809-11	METAL CHIP	100	5%	1/10W
R2559	1-216-809-11	METAL CHIP	100	5%	1/10W
R2560	1-216-809-11	METAL CHIP	100	5%	1/10W
R2561	1-216-809-11	METAL CHIP	100	5%	1/10W
R2562	1-216-809-11	METAL CHIP	100	5%	1/10W
R2563	1-216-805-11	METAL CHIP	47	5%	1/10W
R2565	1-216-805-11	METAL CHIP	47	5%	1/10W
R2566	1-216-809-11	METAL CHIP	100	5%	1/10W
R2567	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2568	1-216-809-11	METAL CHIP	100	5%	1/10W
R2569	1-216-809-11	METAL CHIP	100	5%	1/10W
R2570	1-216-809-11	METAL CHIP	100	5%	1/10W
R2571	1-216-809-11	METAL CHIP	100	5%	1/10W
R2572	1-216-809-11	METAL CHIP	100	5%	1/10W
R2573	1-216-809-11	METAL CHIP	100	5%	1/10W
R2574	1-216-809-11	METAL CHIP	100	5%	1/10W
R2575	1-216-809-11	METAL CHIP	100	5%	1/10W
R2576	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2577	1-216-809-11	METAL CHIP	100	5%	1/10W
R2578	1-216-809-11	METAL CHIP	100	5%	1/10W
R2579	1-216-809-11	METAL CHIP	100	5%	1/10W
R2580	1-216-809-11	METAL CHIP	100	5%	1/10W
R2581	1-216-809-11	METAL CHIP	100	5%	1/10W
R2582	1-216-809-11	METAL CHIP	100	5%	1/10W
R2583	1-216-809-11	METAL CHIP	100	5%	1/10W
R2584	1-216-813-11	METAL CHIP	220	5%	1/10W
R2585	1-216-809-11	METAL CHIP	100	5%	1/10W
R2586	1-216-809-11	METAL CHIP	100	5%	1/10W
R2587	1-216-809-11	METAL CHIP	100	5%	1/10W
R2588	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2589	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2590	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2591	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2592	1-216-809-11	METAL CHIP	100	5%	1/10W
R2593	1-216-813-11	METAL CHIP	220	5%	1/10W
R2594	1-216-809-11	METAL CHIP	100	5%	1/10W
R2595	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2596	1-216-809-11	METAL CHIP	100	5%	1/10W
R2597	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2598	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2599	1-216-809-11	METAL CHIP	100	5%	1/10W
R2600	1-216-809-11	METAL CHIP	100	5%	1/10W
R2601	1-216-809-11	METAL CHIP	100	5%	1/10W
R2602	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2603	1-216-809-11	METAL CHIP	100	5%	1/10W
R2604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2605	1-216-809-11	METAL CHIP	100	5%	1/10W
R2606	1-216-809-11	METAL CHIP	100	5%	1/10W
R2607	1-216-809-11	METAL CHIP	100	5%	1/10W
R2608	1-216-809-11	METAL CHIP	100	5%	1/10W
R2609	1-216-809-11	METAL CHIP	100	5%	1/10W
R2610	1-216-809-11	METAL CHIP	100	5%	1/10W
R2611	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2612	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2613	1-216-809-11	METAL CHIP	100	5%	1/10W
R2614	1-216-809-11	METAL CHIP	100	5%	1/10W
R2615	1-216-815-11	METAL CHIP	330	5%	1/10W
R2617	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2619	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2620	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2623	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2624	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2627	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2628	1-216-815-11	METAL CHIP	330	5%	1/10W
R2629	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2630	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2631	1-216-805-11	METAL CHIP	47	5%	1/10W
R2632	1-216-805-11	METAL CHIP	47	5%	1/10W
R2633	1-216-805-11	METAL CHIP	47	5%	1/10W
R2634	1-216-805-11	METAL CHIP	47	5%	1/10W
R2635	1-216-805-11	METAL CHIP	47	5%	1/10W
R2636	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2637	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2638	1-216-809-11	METAL CHIP	100	5%	1/10W
R2639	1-216-809-11	METAL CHIP	100	5%	1/10W
R2640	1-216-809-11	METAL CHIP	100	5%	1/10W
R2641	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2642	1-216-817-11	METAL CHIP	470	5%	1/10W
R2643	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2644	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2645	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2646	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2647	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2648	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R2649	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2650	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2653	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2655	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2656	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2657	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2658	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2659	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2662	1-216-809-11	METAL CHIP	100	5%	1/10W
R2663	1-216-809-11	METAL CHIP	100	5%	1/10W
R2664	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2665	1-216-809-11	METAL CHIP	100	5%	1/10W
R2666	1-216-809-11	METAL CHIP	100	5%	1/10W
R2667	1-216-809-11	METAL CHIP	100	5%	1/10W
R2668	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2669	1-216-809-11	METAL CHIP	100	5%	1/10W
R2671	1-216-809-11	METAL CHIP	100	5%	1/10W
R2672	1-216-809-11	METAL CHIP	100	5%	1/10W
R2673	1-216-809-11	METAL CHIP	100	5%	1/10W
R2674	1-216-809-11	METAL CHIP	100	5%	1/10W
R2675	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2676	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2677	1-216-809-11	METAL CHIP	100	5%	1/10W
R2678	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2679	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R2680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2681	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2682	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2683	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2684	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2685	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2686	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2687	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2688	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2689	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2690	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2692	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2693	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2695	1-216-809-11	METAL CHIP	100	5%	1/10W
R2696	1-216-813-11	METAL CHIP	220	5%	1/10W
R2697	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R2698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2699	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2700	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2701	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2702	1-216-864-11	SHORT CHIP	0		
R2703	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2704	1-216-809-11	METAL CHIP	100	5%	1/10W
R2705	1-216-809-11	METAL CHIP	100	5%	1/10W
R2706	1-216-809-11	METAL CHIP	100	5%	1/10W
R2707	1-216-809-11	METAL CHIP	100	5%	1/10W
R2708	1-216-809-11	METAL CHIP	100	5%	1/10W
R2709	1-216-805-11	METAL CHIP	47	5%	1/10W
R2710	1-216-805-11	METAL CHIP	47	5%	1/10W
R2711	1-216-805-11	METAL CHIP	47	5%	1/10W
R2712	1-216-805-11	METAL CHIP	47	5%	1/10W
R2713	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2714	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2716	1-216-809-11	METAL CHIP	100	5%	1/10W
R2717	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< VIBRATOR >			
X2501	1-781-646-21	VIBRATOR, CERAMIC (4MHz)			

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Ref. No.	Part No.	Description				Remark
		D CONNECT BOARD				
		****************				
		< CONNECTOR >				
CN2403	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P				
CN2404	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P				
CN2405	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P				
CN2406	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P				

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Ref. No.	Part No.	Description				Remark
	A-1538-094-A	D VIDEO BOARD, COMPLETE (for SERVICE)				
		***********************				
		< CAPACITOR/JUMPER RESISTOR >				
C3002	1-216-864-11	SHORT CHIP	0			
C3005	1-216-864-11	SHORT CHIP	0			
C3008	1-216-864-11	SHORT CHIP	0			
C3011	1-216-864-11	SHORT CHIP	0			
C3014	1-216-864-11	SHORT CHIP	0			
C3017	1-216-864-11	SHORT CHIP	0			
C3020	1-216-864-11	SHORT CHIP	0			
C3021	1-216-864-11	SHORT CHIP	0			
C3023	1-216-864-11	SHORT CHIP	0			
C3026	1-216-864-11	SHORT CHIP	0			
C3029	1-216-864-11	SHORT CHIP	0			
C3032	1-216-864-11	SHORT CHIP	0			
C3217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3218	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C3220	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V	
C3221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3252	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
C3253	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V	
C3254	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C3255	1-164-733-11	CERAMIC CHIP	820PF	10%	50V	
C3256	1-127-956-21	FILM CHIP	0.1uF	5%	16V	
C3257	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3258	1-127-956-21	FILM CHIP	0.1uF	5%	16V	
C3259	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3260	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3261	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3264	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3265	1-126-207-11	ELECT CHIP	33uF	20%	4V	
C3274	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V	
C3311	1-162-919-11	CERAMIC CHIP	22PF	5%	50V	
C3333	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3334	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3402	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
C3403	1-126-206-11	ELECT CHIP	100uF	20%	6.3V	
C3425	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3426	1-126-205-11	ELECT CHIP	47uF	20%	6.3V	
C3441	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3442	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3443	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3451	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C3452	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3453	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V	
C3454	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C3457	1-165-671-21	ELECT CHIP	470uF	20%	6.3V	
C3458	1-165-671-21	ELECT CHIP	470uF	20%	6.3V	
C3481	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V	

Ref. No.	Part No.	Description			Remark
C3482	1-112-172-11	ELECT CHIP	100uF	20%	16V
C3483	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3487	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3488	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3489	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3490	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3500	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3501	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3502	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3503	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3504	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3505	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3506	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3507	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3508	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3509	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3510	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3511	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3512	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3513	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3514	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3515	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3516	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3517	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3518	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3519	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3520	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3521	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3522	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3523	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3524	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3525	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3526	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3527	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3528	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3529	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3530	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3531	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3532	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3533	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3534	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3535	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3536	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3537	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3538	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3539	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3540	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C3541	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3542	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3543	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3545	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3547	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3548	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3549	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3550	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3551	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3552	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3553	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3554	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3555	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3556	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3557	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3558	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3559	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3560	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3561	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3562	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3563	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3564	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3566	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3567	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3568	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3569	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3570	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3571	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3572	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3573	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3574	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3575	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3576	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3577	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3578	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3579	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3580	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3581	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3582	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3583	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3584	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3585	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3590	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3591	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3592	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3594	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3595	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3596	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C3597	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3598	1-128-392-11	ELECT CHIP	470uF	20%	6.3V
C3599	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3600	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3601	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3602	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3603	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3604	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3605	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3606	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3607	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3608	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3609	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3610	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3611	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3612	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3613	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3614	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3615	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3616	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3617	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3618	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3619	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3620	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3621	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

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Ref. No.	Part No.	Description			Remark
C3622	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3623	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3624	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3625	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3626	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3627	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3628	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C3629	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3630	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3631	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3632	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3633	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3634	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C3635	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3636	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C3637	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3638	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3639	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3640	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3641	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3642	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3643	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3644	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3645	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3646	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C3647	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3648	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3649	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3650	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3651	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3652	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3653	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3654	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3655	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3656	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3657	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3658	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3659	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3660	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3661	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3662	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3663	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3664	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3665	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3666	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3667	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3668	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3669	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3670	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3671	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3672	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3673	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3674	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3675	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3676	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3677	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3678	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3679	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3680	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3681	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3682	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3683	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3684	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3685	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3686	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3687	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3688	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3689	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3690	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3691	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3692	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3693	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3694	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3695	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3696	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3697	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3698	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3699	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3700	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3701	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3702	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3703	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3704	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3705	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3706	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3707	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3708	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3709	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3710	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3711	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3712	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3714	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3715	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3716	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3717	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3718	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3719	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3720	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3721	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3722	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3723	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3724	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3725	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3726	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3727	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3730	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3731	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3732	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3733	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3734	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3735	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3736	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3737	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3738	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3739	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3740	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3741	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3742	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V

Ref. No.	Part No.	Description			Remark
C3743	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3744	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3745	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3747	1-165-669-21	ELECT CHIP	220uF	20%	6.3V
C3748	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3749	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3750	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3751	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3752	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3753	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3754	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3755	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3756	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3757	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3758	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3759	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3760	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3761	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3762	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3763	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3764	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3765	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3766	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3767	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3768	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3769	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3770	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3771	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3772	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3773	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3774	1-126-207-11	ELECT CHIP	33uF	20%	4V
C3775	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3776	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3777	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3778	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3779	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3780	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3781	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3782	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3783	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3784	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3785	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3786	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3787	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3788	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3789	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3790	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3791	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3792	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3793	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3794	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3795	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3796	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3797	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3798	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3799	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3802	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3803	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C3804	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3805	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3806	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3808	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3809	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3810	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3813	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3814	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3816	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3817	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3821	1-112-300-91	CERAMIC CHIP	4.7uF	10%	10V
C3822	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3823	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3824	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3825	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C3826	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3827	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C3828	1-100-159-91	CERAMIC CHIP	22uF	10%	6.3V
C3829	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3830	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C3832	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3833	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3834	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3835	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3836	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3837	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3838	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3839	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3840	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3841	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3842	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3843	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3844	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3845	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3846	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3847	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3848	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3849	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3850	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3851	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3854	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3855	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3856	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3857	1-127-956-21	FILM CHIP	0.1uF	5%	16V
C3858	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C3859	1-164-173-11	CERAMIC CHIP	0.0039uF	10%	50V
C3860	1-164-733-11	CERAMIC CHIP	820PF	10%	50V
C3861	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3862	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C3863	1-128-392-11	ELECT CHIP	470uF	20%	6.3V
C3864	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3865	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3866	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3867	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3868	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V

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Ref. No.	Part No.	Description			Remark
C3869	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3870	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3873	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3874	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3875	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3876	1-126-207-11	ELECT CHIP	33uF	20%	4V
C3877	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3878	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3879	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3880	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3881	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3882	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3883	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3884	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3885	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3886	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3887	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3888	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3889	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3890	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3891	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3892	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3893	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3894	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3895	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3896	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3897	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3898	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3899	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3900	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3901	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3902	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3903	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3904	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3905	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3906	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3907	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3908	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3909	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3910	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C3911	1-126-207-11	ELECT CHIP	33uF	20%	4V
C3912	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3913	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3914	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3915	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3916	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3917	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3918	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3919	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3920	1-125-837-91	CERAMIC CHIP	1uF	10%	6.3V
C3921	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3922	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3923	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3925	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3926	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3927	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3928	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3929	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3930	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3931	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C3932	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3933	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3934	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3935	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3936	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3937	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3938	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3939	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3940	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3941	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3942	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3943	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3944	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3945	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3946	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3947	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3948	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3949	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3950	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3951	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3952	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3953	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3954	1-100-567-81	CERAMIC CHIP	0.01uF	10%	25V
C3955	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3956	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3957	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3958	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3959	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3960	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3961	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3962	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3963	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3964	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3965	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3966	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3967	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3968	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3969	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3970	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3971	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3972	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3973	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3974	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3975	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3976	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3977	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C3978	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3979	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3980	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3981	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3982	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3983	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3984	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3985	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3986	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3987	1-165-989-11	CERAMIC CHIP	10uF	10%	6.3V
C3988	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C3989	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C3990	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C3991	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V

Ref. No.	Part No.	Description	Remark
C3992	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	
C3993	1-115-467-11	CERAMIC CHIP 0.22uF 10% 10V	
C3994	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
C3995	1-126-206-11	ELECT CHIP 100uF 20% 6.3V	
C3996	1-114-385-11	ELECT CHIP 470uF 20% 6.3V	
C3997	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C3998	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
C3999	1-107-826-11	CERAMIC CHIP 0.1uF 10% 16V	
		< CONNECTOR >	
CN3501	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 6)	
CN3502	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 5 (for AUDIO))	
CN3503	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 4)	
CN3504	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 3)	
CN3505	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 2)	
CN3506	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) IN 1)	
CN3508	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P	
CN3509	1-794-032-21	PIN, CONNECTOR (PC BOARD) 11P	
CN3511	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) OUT A)	
CN3512	1-820-735-31	HDMI CONNECTOR (HDMI ASSIGNABLE (INPUT ONLY) OUT B)	
CN3523	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P	
CN3571	1-815-954-21	PIN, CONNECTOR (PC BOARD) 13P	
CN3603	1-785-125-21	CONNECTOR 6P	
CN3605	1-764-250-11	PIN, CONNECTOR (PC BOARD) 4P	
CN3607	1-770-468-21	PIN, CONNECTOR (PC BOARD) 10P	
CN3609	1-779-992-11	PIN, CONNECTOR (PWB) 8P	
CN3610	1-816-296-21	PIN, CONNECTOR (PC BOARD) 9P	
CN3611	1-764-250-11	PIN, CONNECTOR (PC BOARD) 4P	
		< DIODE >	
D3500	6-501-817-01	DIODE MA2J1110GLS0	
D3501	6-501-817-01	DIODE MA2J1110GLS0	
D3502	6-501-817-01	DIODE MA2J1110GLS0	
D3511	8-719-073-81	DIODE EC21QS06-TE12L	
D3512	6-501-817-01	DIODE MA2J1110GLS0	
D3617	8-719-053-18	DIODE 1SR154-400TE-25	
D3618	8-719-210-39	DIODE EC10QS-04	
D3619	8-719-073-81	DIODE EC21QS06-TE12L	
D3620	8-719-210-39	DIODE EC10QS-04	
D3621	8-719-073-81	DIODE EC21QS06-TE12L	
D3622	8-719-053-18	DIODE 1SR154-400TE-25	
D3851	6-501-817-01	DIODE MA2J1110GLS0	
D3852	6-501-817-01	DIODE MA2J1110GLS0	
		< EARTH TERMINAL >	
ET3901	1-780-318-11	TERMINAL	
ET3902	1-780-318-11	TERMINAL	
ET3903	1-780-318-11	TERMINAL	
		< FERRITE BEAD/JUMPER RESISTOR >	
FB3421	1-400-334-21	FERRITE, EMI (SMD) (1608)	
FB3422	1-400-334-21	FERRITE, EMI (SMD) (1608)	
FB3423	1-400-334-21	FERRITE, EMI (SMD) (1608)	

Ref. No.	Part No.	Description	Remark
FB3424	1-400-334-21	FERRITE, EMI (SMD) (1608)	
FB3426	1-216-864-11	SHORT CHIP 0	
FB3502	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3503	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3504	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3505	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3506	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3507	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3508	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3509	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3510	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3512	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB3513	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3558	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB3601	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3602	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3603	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3604	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3605	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3606	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3607	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3608	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3609	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3610	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3611	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3612	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3613	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3614	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3615	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3616	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3617	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3618	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3619	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3620	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3621	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3622	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3623	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3624	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3625	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3626	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3627	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3628	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB3629	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3630	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3631	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3632	1-414-234-22	INDUCTOR, FERRITE BEAD	
FB3633	1-469-324-21	FERRITE, EMI (SMD) (2012)	
FB3634	1-469-139-21	FERRITE, EMI (SMD) (2012)	
FB3635	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB3636	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB3637	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB3638	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< COIL/FILTER >	
* FL3501	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3502	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3503	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3504	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3511	1-813-880-11	COMMON MODE CHOKE COIL	
* FL3512	1-813-880-11	COMMON MODE CHOKE COIL	

D VIDEO

	Ref. No.	Part No.	Description	Remark
*	FL3513	1-813-880-11	COMMON MODE CHOKE COIL	
*	FL3514	1-813-880-11	COMMON MODE CHOKE COIL	
	FL3601	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3602	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3603	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3604	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3605	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3606	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3607	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
	FL3608	1-400-874-11	FILTER, EMI REMOVAL (SMD)	
			< IC >	
	IC3503	8-753-282-08	IC CXB1444R-T6	
	IC3504	8-753-282-08	IC CXB1444R-T6	
	IC3508	8-759-596-39	IC SN74LV4052APWR	
	IC3509	6-704-001-01	IC BR24L02F-WSE2	
	IC3511	(Not supplied)	IC SII9135CTU	
	IC3513	(Not supplied)	IC SII9134CTU	
	IC3514	(Not supplied)	IC SII9134CTU	
	IC3515	6-708-913-01	IC TK73400AU3G0L-C	
	IC3516	6-705-337-01	IC TK11150CSCL-G	
	IC3517	6-708-913-01	IC TK73400AU3G0L-C	
	IC3518	8-759-058-62	IC TC7S08FU (TE85R)	
	IC3520	6-705-337-01	IC TK11150CSCL-G	
	IC3524	8-759-524-50	IC TC74VHC541FT (EL)	
	IC3525	8-759-679-36	IC TC7WT125FU (TE12R)	
	IC3526	8-759-596-39	IC SN74LV4052APWR	
	IC3601	6-709-545-01	IC FLI8668-LF-BC	
	IC3602	6-710-521-21	IC HY5DU561622FTP-4-C	
	IC3603	6-808-169-01	IC S29GL256N90TFIR20J08GUIX100	
	IC3604	6-709-564-01	IC YGV629-VZ	
	IC3605	6-708-913-01	IC TK73400AU3G0L-C	
@	IC3606	6-711-139-01	IC FLI8638-LF	
	IC3607	6-710-521-21	IC HY5DU561622FTP-4-C	
	IC3608	6-702-300-01	IC TK11118CSCL-G	
	IC3609	6-707-842-01	IC TC74LCX08FT (EKJ)	
	IC3610	A-1566-608-A	IC MB91F467RAPMC-GE1 (for SERVICE)	
	IC3611	6-710-003-01	IC IS61LV12816L-8TL	
	IC3612	6-708-913-01	IC TK73400AU3G0L-C	
	IC3613	6-702-300-01	IC TK11118CSCL-G	
	IC3614	6-702-302-01	IC TK11133CSCL-G	
	IC3615	6-808-310-03	IC SST39VF3202704IEKE54FLIM105	
	IC3616	6-702-302-01	IC TK11133CSCL-G	
	IC3617	6-708-913-01	IC TK73400AU3G0L-C	
	IC3618	6-710-521-21	IC HY5DU561622FTP-4-C	
	IC3619	6-710-050-01	IC TC74LCX245FK (EL)	
	IC3620	6-710-050-01	IC TC74LCX245FK (EL)	
	IC3621	6-704-573-01	IC M24C32-WMN6T (B)	
	IC3622	6-704-470-01	IC TK11233CMCL-G	
	IC3623	6-706-136-01	IC LTC3412EFE#TR	
	IC3624	6-710-521-21	IC HY5DU561622FTP-4-C	
	IC3625	6-704-470-01	IC TK11233CMCL-G	
	IC3626	6-702-302-01	IC TK11133CSCL-G	
	IC3627	6-808-311-03	IC SST39VF3202704IEKE54FLIZ106	
	IC3628	6-704-573-01	IC M24C32-WMN6T (B)	
	IC3629	6-702-302-01	IC TK11133CSCL-G	
	IC3850	6-709-565-01	IC ADV7322KSTZ	
	IC3851	6-704-261-01	IC TK11225CMCL-G	
	IC3852	6-702-301-01	IC TK11125CSCL-G	
	IC3853	6-712-613-01	IC SI-3010KM-TLS	

Note: IC3511, IC3513 and IC3514 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

	Ref. No.	Part No.	Description				Remark
	IC3854	6-710-444-01	IC CY2302-SXC-1T				
	IC3855	6-709-565-01	IC ADV7322KSTZ				
	IC3856	6-704-261-01	IC TK11225CMCL-G				
	IC3857	6-710-444-01	IC CY2302-SXC-1T				
	IC3858	6-713-146-01	IC SN74CB3Q16211DGVR				
	IC3859	6-712-738-01	IC SN74CB3Q16210DGVR				
	IC3860	6-702-302-01	IC TK11133CSCL-G				
	IC3862	6-710-628-01	IC CY23EP05SXC-1HT				
	IC3863	6-710-628-01	IC CY23EP05SXC-1HT				
*	IC3864	6-711-583-01	IC TS3USB221RSER				
			< COIL >				
	L3501	1-469-525-91	INDUCTOR	10uH			
	L3505	1-469-525-91	INDUCTOR	10uH			
	L3506	1-469-525-91	INDUCTOR	10uH			
	L3507	1-469-525-91	INDUCTOR	10uH			
	L3508	1-469-525-91	INDUCTOR	10uH			
	L3509	1-469-525-91	INDUCTOR	10uH			
	L3510	1-469-525-91	INDUCTOR	10uH			
	L3511	1-469-525-91	INDUCTOR	10uH			
	L3512	1-469-525-91	INDUCTOR	10uH			
	L3513	1-469-525-91	INDUCTOR	10uH			
	L3514	1-469-525-91	INDUCTOR	10uH			
	L3601	1-457-620-11	COIL, CHOKE	0.68uH			
	L3609	1-412-977-31	INDUCTOR	0.68uH			
	L3610	1-412-977-31	INDUCTOR	0.68uH			
	L3611	1-412-977-31	INDUCTOR	0.68uH			
	L3612	1-412-977-31	INDUCTOR	0.68uH			
	L3613	1-412-977-31	INDUCTOR	0.68uH			
	L3614	1-412-977-31	INDUCTOR	0.68uH			
	L3615	1-412-977-31	INDUCTOR	0.68uH			
	L3616	1-412-977-31	INDUCTOR	0.68uH			
	L3617	1-469-525-91	INDUCTOR	10uH			
			< TRANSISTOR >				
	Q001	8-729-230-49	TRANSISTOR	2SC2712-YG			
	Q002	8-729-230-49	TRANSISTOR	2SC2712-YG			
	Q3500	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			
	Q3501	6-551-696-01	TRANSISTOR	ISA1235AC1TP-1EF			
			< RESISTOR >				
	R2038	1-216-833-11	METAL CHIP	10K	5%	1/10W	
	R3001	1-216-864-11	SHORT CHIP	0			
	R3003	1-216-864-11	SHORT CHIP	0			
	R3004	1-216-864-11	SHORT CHIP	0			
	R3006	1-216-864-11	SHORT CHIP	0			
	R3007	1-216-864-11	SHORT CHIP	0			
	R3009	1-216-864-11	SHORT CHIP	0			
	R3013	1-216-864-11	SHORT CHIP	0			
	R3015	1-216-864-11	SHORT CHIP	0			
	R3016	1-216-864-11	SHORT CHIP	0			
	R3018	1-216-864-11	SHORT CHIP	0			
	R3019	1-216-864-11	SHORT CHIP	0			
	R3021	1-216-864-11	SHORT CHIP	0			
	R3025	1-216-864-11	SHORT CHIP	0			
	R3027	1-216-864-11	SHORT CHIP	0			
	R3028	1-216-864-11	SHORT CHIP	0			
	R3030	1-216-864-11	SHORT CHIP	0			
	R3031	1-216-864-11	SHORT CHIP	0			
	R3033	1-216-864-11	SHORT CHIP	0			

@ Replacement of IC3606 used in this set requires a special tool.

Ref. No.	Part No.	Description			Remark
R3101	1-218-933-11	METAL CHIP	22	5%	1/16W
R3102	1-218-941-81	METAL CHIP	100	5%	1/16W
R3103	1-218-933-11	METAL CHIP	22	5%	1/16W
R3104	1-218-933-11	METAL CHIP	22	5%	1/16W
R3105	1-218-990-81	SHORT CHIP	0		
R3106	1-218-990-81	SHORT CHIP	0		
R3108	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3109	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3110	1-216-810-11	METAL CHIP	120	5%	1/10W
R3120	1-216-805-11	METAL CHIP	47	5%	1/10W
R3121	1-216-805-11	METAL CHIP	47	5%	1/10W
R3122	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3123	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3126	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3127	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3130	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3131	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3134	1-216-805-11	METAL CHIP	47	5%	1/10W
R3188	1-216-805-11	METAL CHIP	47	5%	1/10W
R3189	1-216-805-11	METAL CHIP	47	5%	1/10W
R3190	1-216-805-11	METAL CHIP	47	5%	1/10W
R3191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3192	1-216-805-11	METAL CHIP	47	5%	1/10W
R3193	1-216-864-11	SHORT CHIP	0		
R3195	1-216-864-11	SHORT CHIP	0		
R3196	1-216-864-11	SHORT CHIP	0		
R3197	1-216-805-11	METAL CHIP	47	5%	1/10W
R3198	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3201	1-216-864-11	SHORT CHIP	0		
R3202	1-216-864-11	SHORT CHIP	0		
R3203	1-216-864-11	SHORT CHIP	0		
R3204	1-216-864-11	SHORT CHIP	0		
R3205	1-216-864-11	SHORT CHIP	0		
R3206	1-216-864-11	SHORT CHIP	0		
R3207	1-216-864-11	SHORT CHIP	0		
R3208	1-216-864-11	SHORT CHIP	0		
R3209	1-216-817-11	METAL CHIP	470	5%	1/10W
R3210	1-216-864-11	SHORT CHIP	0		
R3211	1-216-809-11	METAL CHIP	100	5%	1/10W
R3212	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3213	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3214	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3215	1-216-805-11	METAL CHIP	47	5%	1/10W
R3216	1-216-805-11	METAL CHIP	47	5%	1/10W
R3218	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3219	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3220	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3222	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3223	1-216-805-11	METAL CHIP	47	5%	1/10W
R3226	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3227	1-216-805-11	METAL CHIP	47	5%	1/10W
R3228	1-216-797-11	METAL CHIP	10	5%	1/10W
R3229	1-218-933-11	METAL CHIP	22	5%	1/16W
R3230	1-218-933-11	METAL CHIP	22	5%	1/16W
R3231	1-218-929-11	METAL CHIP	10	5%	1/16W
R3232	1-218-929-11	METAL CHIP	10	5%	1/16W
R3233	1-218-933-11	METAL CHIP	22	5%	1/16W
R3234	1-218-933-11	METAL CHIP	22	5%	1/16W
R3235	1-218-929-11	METAL CHIP	10	5%	1/16W
R3236	1-218-929-11	METAL CHIP	10	5%	1/16W
R3237	1-218-933-11	METAL CHIP	22	5%	1/16W
R3238	1-218-933-11	METAL CHIP	22	5%	1/16W
R3239	1-218-929-11	METAL CHIP	10	5%	1/16W
R3240	1-218-929-11	METAL CHIP	10	5%	1/16W
R3241	1-218-929-11	METAL CHIP	10	5%	1/16W
R3242	1-218-929-11	METAL CHIP	10	5%	1/16W
R3243	1-218-929-11	METAL CHIP	10	5%	1/16W
R3244	1-218-929-11	METAL CHIP	10	5%	1/16W
R3245	1-218-929-11	METAL CHIP	10	5%	1/16W
R3246	1-218-929-11	METAL CHIP	10	5%	1/16W
R3247	1-218-929-11	METAL CHIP	10	5%	1/16W
R3248	1-218-929-11	METAL CHIP	10	5%	1/16W
R3249	1-218-929-11	METAL CHIP	10	5%	1/16W
R3250	1-218-929-11	METAL CHIP	10	5%	1/16W
R3251	1-218-929-11	METAL CHIP	10	5%	1/16W
R3252	1-218-929-11	METAL CHIP	10	5%	1/16W
R3253	1-216-864-11	SHORT CHIP	0		
R3254	1-218-929-11	METAL CHIP	10	5%	1/16W
R3256	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3257	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3258	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3259	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3260	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3261	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3263	1-216-809-11	METAL CHIP	100	5%	1/10W
R3264	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R3265	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R3267	1-216-819-11	METAL CHIP	680	5%	1/10W
R3268	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R3269	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R3270	1-216-864-11	SHORT CHIP	0		
R3272	1-216-864-11	SHORT CHIP	0		
R3273	1-216-864-11	SHORT CHIP	0		
R3274	1-216-864-11	SHORT CHIP	0		
R3275	1-216-803-11	METAL CHIP	33	5%	1/10W
R3276	1-216-803-11	METAL CHIP	33	5%	1/10W
R3281	1-216-805-11	METAL CHIP	47	5%	1/10W
R3282	1-216-805-11	METAL CHIP	47	5%	1/10W
R3283	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3284	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3285	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3287	1-216-864-11	SHORT CHIP	0		
R3288	1-216-805-11	METAL CHIP	47	5%	1/10W
R3289	1-216-864-11	SHORT CHIP	0		
R3290	1-216-805-11	METAL CHIP	47	5%	1/10W
R3291	1-216-805-11	METAL CHIP	47	5%	1/10W
R3292	1-216-805-11	METAL CHIP	47	5%	1/10W
R3293	1-216-805-11	METAL CHIP	47	5%	1/10W
R3294	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3296	1-216-805-11	METAL CHIP	47	5%	1/10W
R3297	1-216-797-11	METAL CHIP	10	5%	1/10W
R3298	1-216-805-11	METAL CHIP	47	5%	1/10W
R3299	1-216-805-11	METAL CHIP	47	5%	1/10W
R3300	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3301	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3302	1-216-805-11	METAL CHIP	47	5%	1/10W
R3303	1-216-805-11	METAL CHIP	47	5%	1/10W
R3304	1-216-805-11	METAL CHIP	47	5%	1/10W
R3316	1-216-805-11	METAL CHIP	47	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R3317	1-216-805-11	METAL CHIP	47	5%	1/10W
R3318	1-216-805-11	METAL CHIP	47	5%	1/10W
R3319	1-216-805-11	METAL CHIP	47	5%	1/10W
R3320	1-216-805-11	METAL CHIP	47	5%	1/10W
R3321	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3331	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3339	1-218-929-11	METAL CHIP	10	5%	1/16W
R3340	1-218-929-11	METAL CHIP	10	5%	1/16W
R3341	1-218-929-11	METAL CHIP	10	5%	1/16W
R3342	1-218-929-11	METAL CHIP	10	5%	1/16W
R3343	1-218-929-11	METAL CHIP	10	5%	1/16W
R3344	1-218-929-11	METAL CHIP	10	5%	1/16W
R3345	1-218-929-11	METAL CHIP	10	5%	1/16W
R3346	1-218-929-11	METAL CHIP	10	5%	1/16W
R3347	1-218-929-11	METAL CHIP	10	5%	1/16W
R3348	1-218-929-11	METAL CHIP	10	5%	1/16W
R3349	1-218-929-11	METAL CHIP	10	5%	1/16W
R3350	1-218-929-11	METAL CHIP	10	5%	1/16W
R3351	1-216-864-11	SHORT CHIP	0		
R3352	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3353	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3354	1-216-864-11	SHORT CHIP	0		
R3355	1-216-864-11	SHORT CHIP	0		
R3356	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3357	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3358	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3359	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3361	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3363	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3364	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3371	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3372	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3375	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3378	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3380	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3381	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3382	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3386	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3387	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3388	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3389	1-216-864-11	SHORT CHIP	0		
R3390	1-216-864-11	SHORT CHIP	0		
R3391	1-216-864-11	SHORT CHIP	0		
R3392	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3393	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3395	1-216-864-11	SHORT CHIP	0		
R3396	1-216-864-11	SHORT CHIP	0		
R3397	1-218-929-11	METAL CHIP	10	5%	1/16W
R3401	1-216-864-11	SHORT CHIP	0		
R3402	1-216-864-11	SHORT CHIP	0		
R3403	1-216-864-11	SHORT CHIP	0		
R3404	1-218-990-81	SHORT CHIP	0		
R3405	1-216-864-11	SHORT CHIP	0		
R3406	1-216-864-11	SHORT CHIP	0		
R3407	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3408	1-216-805-11	METAL CHIP	47	5%	1/10W
R3409	1-216-805-11	METAL CHIP	47	5%	1/10W
R3410	1-216-805-11	METAL CHIP	47	5%	1/10W
R3411	1-216-805-11	METAL CHIP	47	5%	1/10W
R3412	1-216-805-11	METAL CHIP	47	5%	1/10W
R3413	1-216-805-11	METAL CHIP	47	5%	1/10W
R3414	1-216-805-11	METAL CHIP	47	5%	1/10W
R3415	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3416	1-216-801-11	METAL CHIP	22	5%	1/10W
R3417	1-216-801-11	METAL CHIP	22	5%	1/10W
R3418	1-216-805-11	METAL CHIP	47	5%	1/10W
R3419	1-216-805-11	METAL CHIP	47	5%	1/10W
R3420	1-216-805-11	METAL CHIP	47	5%	1/10W
R3421	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3422	1-216-864-11	SHORT CHIP	0		
R3423	1-216-805-11	METAL CHIP	47	5%	1/10W
R3424	1-216-805-11	METAL CHIP	47	5%	1/10W
R3425	1-216-805-11	METAL CHIP	47	5%	1/10W
R3426	1-216-805-11	METAL CHIP	47	5%	1/10W
R3427	1-216-805-11	METAL CHIP	47	5%	1/10W
R3428	1-216-805-11	METAL CHIP	47	5%	1/10W
R3429	1-216-805-11	METAL CHIP	47	5%	1/10W
R3430	1-216-805-11	METAL CHIP	47	5%	1/10W
R3431	1-216-864-11	SHORT CHIP	0		
R3432	1-216-864-11	SHORT CHIP	0		
R3433	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3434	1-216-809-11	METAL CHIP	100	5%	1/10W
R3437	1-216-864-11	SHORT CHIP	0		
R3438	1-218-990-81	SHORT CHIP	0		
R3439	1-216-864-11	SHORT CHIP	0		
R3440	1-216-813-11	METAL CHIP	220	5%	1/10W
R3441	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R3442	1-216-864-11	SHORT CHIP	0		
R3443	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3444	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3446	1-216-864-11	SHORT CHIP	0		
R3447	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3448	1-216-864-11	SHORT CHIP	0		
R3451	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3452	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3453	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3454	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3455	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3456	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3457	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3458	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3459	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3460	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3461	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3462	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3463	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3465	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3466	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3467	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3468	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3469	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3470	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3471	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3472	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3473	1-216-813-11	METAL CHIP	220	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3474	1-216-813-11	METAL CHIP	220	5%	1/10W
R3476	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3477	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3478	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3479	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3481	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3484	1-216-864-11	SHORT CHIP	0		
R3485	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3486	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3487	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3488	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3489	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3490	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3491	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3492	1-216-864-11	SHORT CHIP	0		
R3493	1-216-864-11	SHORT CHIP	0		
R3494	1-216-864-11	SHORT CHIP	0		
R3495	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3496	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3497	1-218-884-11	METAL CHIP	36K	0.5%	1/10W
R3498	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3499	1-216-805-11	METAL CHIP	47	5%	1/10W
R3500	1-216-864-11	SHORT CHIP	0		
R3503	1-216-864-11	SHORT CHIP	0		
R3504	1-216-864-11	SHORT CHIP	0		
R3508	1-216-805-11	METAL CHIP	47	5%	1/10W
R3510	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3511	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3512	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3513	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3514	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3515	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3516	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3517	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3518	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R3519	1-216-805-11	METAL CHIP	47	5%	1/10W
R3520	1-216-805-11	METAL CHIP	47	5%	1/10W
R3521	1-216-805-11	METAL CHIP	47	5%	1/10W
R3522	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3523	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3524	1-216-805-11	METAL CHIP	47	5%	1/10W
R3525	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3526	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3527	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3528	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3530	1-216-805-11	METAL CHIP	47	5%	1/10W
R3531	1-216-805-11	METAL CHIP	47	5%	1/10W
R3535	1-218-863-11	METAL CHIP	4.7K	0.5%	1/10W
R3536	1-216-805-11	METAL CHIP	47	5%	1/10W
R3537	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3538	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3539	1-216-864-11	SHORT CHIP	0		
R3540	1-216-805-11	METAL CHIP	47	5%	1/10W
R3544	1-216-805-11	METAL CHIP	47	5%	1/10W
R3545	1-216-805-11	METAL CHIP	47	5%	1/10W
R3546	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3548	1-216-805-11	METAL CHIP	47	5%	1/10W
R3549	1-216-805-11	METAL CHIP	47	5%	1/10W
R3550	1-216-805-11	METAL CHIP	47	5%	1/10W
R3551	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R3552	1-216-805-11	METAL CHIP	47	5%	1/10W
R3553	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3554	1-216-805-11	METAL CHIP	47	5%	1/10W
R3555	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3556	1-216-805-11	METAL CHIP	47	5%	1/10W
R3557	1-216-813-11	METAL CHIP	220	5%	1/10W
R3558	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3561	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3562	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3563	1-216-809-11	METAL CHIP	100	5%	1/10W
R3564	1-216-809-11	METAL CHIP	100	5%	1/10W
R3565	1-216-864-11	SHORT CHIP	0		
R3566	1-216-864-11	SHORT CHIP	0		
R3567	1-216-864-11	SHORT CHIP	0		
R3568	1-216-805-11	METAL CHIP	47	5%	1/10W
R3569	1-216-025-11	METAL CHIP	100	5%	1/10W
R3570	1-216-805-11	METAL CHIP	47	5%	1/10W
R3571	1-216-805-11	METAL CHIP	47	5%	1/10W
R3572	1-216-805-11	METAL CHIP	47	5%	1/10W
R3573	1-216-805-11	METAL CHIP	47	5%	1/10W
R3574	1-216-805-11	METAL CHIP	47	5%	1/10W
R3575	1-216-805-11	METAL CHIP	47	5%	1/10W
R3576	1-216-805-11	METAL CHIP	47	5%	1/10W
R3577	1-216-805-11	METAL CHIP	47	5%	1/10W
R3578	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3579	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3580	1-218-843-11	METAL CHIP	680	0.5%	1/10W
R3581	1-216-809-11	METAL CHIP	100	5%	1/10W
R3582	1-216-864-11	SHORT CHIP	0		
R3583	1-216-797-11	METAL CHIP	10	5%	1/10W
R3584	1-216-797-11	METAL CHIP	10	5%	1/10W
R3591	1-216-805-11	METAL CHIP	47	5%	1/10W
R3592	1-216-805-11	METAL CHIP	47	5%	1/10W
R3593	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3594	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3595	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3596	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3597	1-216-864-11	SHORT CHIP	0		
R3599	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3600	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R3601	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3602	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3603	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3604	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3605	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3606	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3607	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3608	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3609	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3610	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3611	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3612	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3613	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3614	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3615	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3616	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3617	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3618	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3619	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3620	1-216-833-11	METAL CHIP	10K	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R3621	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3622	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3623	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3624	1-216-864-11	SHORT CHIP	0		
R3625	1-216-864-11	SHORT CHIP	0		
R3626	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3627	1-216-864-11	SHORT CHIP	0		
R3628	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3629	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3630	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3631	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3632	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3633	1-216-864-11	SHORT CHIP	0		
R3635	1-216-857-11	METAL CHIP	1M	5%	1/10W
R3636	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3637	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3638	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3639	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3640	1-216-864-11	SHORT CHIP	0		
R3643	1-216-864-11	SHORT CHIP	0		
R3644	1-216-864-11	SHORT CHIP	0		
R3646	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3647	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3648	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3649	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3650	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3651	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3652	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3653	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3654	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3655	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3656	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3657	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3658	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3660	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3661	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3664	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3665	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3666	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3667	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3668	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3669	1-216-805-11	METAL CHIP	47	5%	1/10W
R3670	1-216-805-11	METAL CHIP	47	5%	1/10W
R3671	1-216-864-11	SHORT CHIP	0		
R3672	1-216-864-11	SHORT CHIP	0		
R3673	1-216-864-11	SHORT CHIP	0		
R3674	1-216-864-11	SHORT CHIP	0		
R3675	1-216-805-11	METAL CHIP	47	5%	1/10W
R3676	1-216-864-11	SHORT CHIP	0		
R3677	1-216-864-11	SHORT CHIP	0		
R3678	1-216-864-11	SHORT CHIP	0		
R3679	1-216-805-11	METAL CHIP	47	5%	1/10W
R3680	1-216-805-11	METAL CHIP	47	5%	1/10W
R3681	1-216-805-11	METAL CHIP	47	5%	1/10W
R3682	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3683	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3684	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3685	1-216-809-11	METAL CHIP	100	5%	1/10W
R3686	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3687	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3688	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3690	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R3691	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3692	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3693	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R3694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3695	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3696	1-211-983-11	METAL CHIP	39	0.5%	1/10W
R3697	1-216-295-91	SHORT CHIP	0		
R3698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3699	1-216-864-11	SHORT CHIP	0		
R3700	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3702	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3703	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3704	1-216-805-11	METAL CHIP	47	5%	1/10W
R3705	1-216-864-11	SHORT CHIP	0		
R3706	1-216-864-11	SHORT CHIP	0		
R3707	1-216-864-11	SHORT CHIP	0		
R3708	1-216-864-11	SHORT CHIP	0		
R3709	1-216-864-11	SHORT CHIP	0		
R3710	1-216-805-11	METAL CHIP	47	5%	1/10W
R3711	1-216-805-11	METAL CHIP	47	5%	1/10W
R3713	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3714	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3715	1-211-987-11	METAL CHIP	56	0.5%	1/10W
R3716	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3717	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3718	1-218-831-11	METAL CHIP	220	0.5%	1/10W
R3719	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3720	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3721	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3722	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3723	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3724	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3725	1-211-977-11	METAL CHIP	22	0.5%	1/10W
R3728	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3730	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3731	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3733	1-216-864-11	SHORT CHIP	0		
R3734	1-216-864-11	SHORT CHIP	0		
R3735	1-216-864-11	SHORT CHIP	0		
R3736	1-216-803-11	METAL CHIP	33	5%	1/10W
R3737	1-216-295-91	SHORT CHIP	0		
R3738	1-216-817-11	METAL CHIP	470	5%	1/10W
R3739	1-216-805-11	METAL CHIP	47	5%	1/10W
R3740	1-216-810-11	METAL CHIP	120	5%	1/10W
R3741	1-216-815-11	METAL CHIP	330	5%	1/10W
R3744	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3747	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3748	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3749	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3750	1-216-864-11	SHORT CHIP	0		
R3751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3752	1-216-864-11	SHORT CHIP	0		
R3753	1-216-864-11	SHORT CHIP	0		
R3754	1-216-864-11	SHORT CHIP	0		
R3755	1-216-864-11	SHORT CHIP	0		
R3756	1-216-864-11	SHORT CHIP	0		
R3757	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3758	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R3759	1-216-864-11	SHORT CHIP	0		
R3760	1-216-864-11	SHORT CHIP	0		
R3764	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3765	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3766	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3767	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3768	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3769	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3770	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3771	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3772	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3773	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3774	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3775	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3776	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3777	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3778	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3779	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3780	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3781	1-216-813-11	METAL CHIP	220	5%	1/10W
R3783	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3785	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3786	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3792	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3793	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3794	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3795	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3796	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3797	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3798	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3799	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3800	1-216-805-11	METAL CHIP	47	5%	1/10W
R3801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3803	1-216-864-11	SHORT CHIP	0		
R3804	1-216-864-11	SHORT CHIP	0		
R3805	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3806	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3807	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3808	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3809	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3810	1-208-677-11	METAL CHIP	560	0.5%	1/16W
R3811	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3812	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3813	1-216-864-11	SHORT CHIP	0		
R3814	1-216-864-11	SHORT CHIP	0		
R3815	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3816	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3817	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3818	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3819	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3820	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3821	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3822	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3823	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3824	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3825	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3826	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3827	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3828	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3829	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3830	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3831	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3832	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3833	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3834	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3835	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3836	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3837	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3838	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3839	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3840	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3841	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3842	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3843	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3844	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3845	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3846	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3847	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3848	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3849	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3854	1-216-864-11	SHORT CHIP	0		
R3855	1-216-864-11	SHORT CHIP	0		
R3856	1-216-864-11	SHORT CHIP	0		
R3857	1-216-864-11	SHORT CHIP	0		
R3858	1-216-864-11	SHORT CHIP	0		
R3860	1-216-864-11	SHORT CHIP	0		
R3861	1-216-864-11	SHORT CHIP	0		
R3862	1-218-935-11	METAL CHIP	33	5%	1/16W
R3863	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R3864	1-218-857-11	METAL CHIP	2.7K	0.5%	1/10W
R3865	1-216-819-11	METAL CHIP	680	5%	1/10W
R3866	1-216-809-11	METAL CHIP	100	5%	1/10W
R3867	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R3868	1-218-835-11	METAL CHIP	330	0.5%	1/10W
R3870	1-216-864-11	SHORT CHIP	0		
R3871	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3872	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3873	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3874	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3875	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3876	1-218-834-11	METAL CHIP	300	0.5%	1/10W
R3877	1-218-933-11	METAL CHIP	22	5%	1/16W
R3878	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3883	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3884	1-218-856-11	METAL CHIP	2.4K	0.5%	1/10W
R3885	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R3886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3887	1-216-803-11	METAL CHIP	33	5%	1/10W
R3888	1-216-803-11	METAL CHIP	33	5%	1/10W
R3889	1-216-803-11	METAL CHIP	33	5%	1/10W
R3890	1-216-803-11	METAL CHIP	33	5%	1/10W
R3891	1-218-933-11	METAL CHIP	22	5%	1/16W
R3892	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3893	1-218-935-11	METAL CHIP	33	5%	1/16W
R3894	1-218-935-11	METAL CHIP	33	5%	1/16W
R3895	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3896	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3897	1-216-805-11	METAL CHIP	47	5%	1/10W
R3898	1-216-805-11	METAL CHIP	47	5%	1/10W
R3899	1-216-805-11	METAL CHIP	47	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R3900	1-216-805-11	METAL CHIP	47	5%	1/10W
R3901	1-218-832-11	METAL CHIP	240	0.5%	1/10W
R3902	1-211-980-11	METAL CHIP	30	0.5%	1/10W
R3903	1-211-980-11	METAL CHIP	30	0.5%	1/10W
R3904	1-216-805-11	METAL CHIP	47	5%	1/10W
R3905	1-216-805-11	METAL CHIP	47	5%	1/10W
R3906	1-218-935-11	METAL CHIP	33	5%	1/16W
R3907	1-216-805-11	METAL CHIP	47	5%	1/10W
R3908	1-216-805-11	METAL CHIP	47	5%	1/10W
R3909	1-216-805-11	METAL CHIP	47	5%	1/10W
R3910	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3911	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3912	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3913	1-216-864-11	SHORT CHIP	0		
R3914	1-216-864-11	SHORT CHIP	0		
R3915	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3916	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3917	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3918	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3919	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3920	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3921	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3922	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3923	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3924	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3925	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3926	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3927	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3928	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3929	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3930	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3931	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3932	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3933	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3934	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3935	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3936	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3937	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3938	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R3939	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3940	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R3941	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3942	1-218-859-11	METAL CHIP	3.3K	0.5%	1/10W
R3943	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R3944	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3945	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3946	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3947	1-216-864-11	SHORT CHIP	0		
R3949	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3950	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3951	1-216-864-11	SHORT CHIP	0		
R3952	1-216-864-11	SHORT CHIP	0		
R3953	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3954	1-216-864-11	SHORT CHIP	0		
R3955	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3956	1-218-884-11	METAL CHIP	36K	0.5%	1/10W
R3957	1-218-889-11	METAL CHIP	56K	0.5%	1/10W
R3958	1-218-883-11	METAL CHIP	33K	0.5%	1/10W
R3959	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3960	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R3961	1-218-873-11	METAL CHIP	12K	0.5%	1/10W
R3962	1-216-846-11	METAL CHIP	120K	5%	1/10W
R3963	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3965	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3966	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3967	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3968	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3969	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3970	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3971	1-208-855-81	METAL CHIP	47	0.5%	1/16W
R3972	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3973	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3974	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3975	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3976	1-216-810-11	METAL CHIP	120	5%	1/10W
R3977	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3978	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3979	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3980	1-208-647-11	METAL CHIP	33	0.5%	1/16W
R3981	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3983	1-216-809-11	METAL CHIP	100	5%	1/10W
R3984	1-216-864-11	SHORT CHIP	0		
R3985	1-216-810-11	METAL CHIP	120	5%	1/10W
R3986	1-216-809-11	METAL CHIP	100	5%	1/10W
R3987	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3988	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3989	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3990	1-216-805-11	METAL CHIP	47	5%	1/10W
R3991	1-216-810-11	METAL CHIP	120	5%	1/10W
R3992	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3993	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3994	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3995	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3996	1-216-805-11	METAL CHIP	47	5%	1/10W
R3997	1-216-805-11	METAL CHIP	47	5%	1/10W
R3998	1-216-864-11	SHORT CHIP	0		
		< COMPOSITION CIRCUIT BLOCK >			
RB3502	1-234-369-21	RES, NETWORK 10 (1005X4)			
RB3503	1-234-369-21	RES, NETWORK 10 (1005X4)			
RB3505	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3506	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3508	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3509	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3512	1-234-369-21	RES, NETWORK 10 (1005X4)			
RB3513	1-234-369-21	RES, NETWORK 10 (1005X4)			
RB3515	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3516	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3518	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3519	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3522	1-234-369-21	RES, NETWORK 10 (1005X4)			
RB3523	1-234-369-21	RES, NETWORK 10 (1005X4)			
RB3525	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3526	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3528	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3529	1-234-400-21	CONDUCTOR, NETWORK (1005X4)			
RB3601	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB3602	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB3603	1-234-370-21	RES, NETWORK 22 (1005X4)			
RB3604	1-234-370-21	RES, NETWORK 22 (1005X4)			

Ref. No.	Part No.	Description				Remark
RB3605	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3606	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3607	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3608	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3609	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3610	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3611	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3612	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3613	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3614	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3615	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3618	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3619	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3620	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3621	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3622	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3623	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3624	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3625	1-242-963-21	RES, NETWORK 33 (1005X4)				
RB3627	1-234-371-21	RES, NETWORK 47 (1005X4)				
RB3628	1-234-371-21	RES, NETWORK 47 (1005X4)				
RB3629	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3630	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3631	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3632	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3633	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3636	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3637	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3638	1-234-370-21	RES, NETWORK 22 (1005X4)				
RB3639	1-234-370-21	RES, NETWORK 22 (1005X4)				
		< RELAY >				
RY3601	1-755-624-11	RELAY FTR-B4GA003Z				
		< VIBRATOR >				
X3501	1-813-570-21	VIBRATOR, CRYSTAL (28.322MHz)				
X3601	1-813-807-11	VIBRATOR, CRYSTAL (33.2MHz)				
X3602	1-814-150-11	OSCILLATOR, CRYSTAL (19.6608MHz)				
X3603	1-781-646-21	VIBRATOR, CERAMIC (4MHz)				

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Ref. No.	Part No.	Description				Remark
	A-1538-912-A	DC-DC BOARD, COMPLETE				
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		< CAPACITOR >				
C1402	1-128-549-11	ELECT	3300uF	20%	35V	
C1403	1-128-959-21	ELECT	1000uF	20%	35V	
C1404	1-128-959-21	ELECT	1000uF	20%	35V	
C1405	1-100-924-21	ELECT	2200uF	20%	35V	
C1406	1-128-959-21	ELECT	1000uF	20%	35V	
C1407	1-128-959-21	ELECT	1000uF	20%	35V	
C1408	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1409	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1410	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1412	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1413	1-128-950-21	ELECT	1000uF	20%	16V	
C1414	1-128-950-21	ELECT	1000uF	20%	16V	
C1415	1-128-951-21	ELECT	2200uF	20%	16V	
C1416	1-128-950-21	ELECT	1000uF	20%	16V	
C1417	1-128-950-21	ELECT	1000uF	20%	16V	
C1423	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V	
C1425	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1426	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1427	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1428	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1429	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C1430	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
		< CONNECTOR >				
CN1401	1-691-776-11	PLUG (MICRO CONNECTOR) 14P				
* CN1402	1-564-506-11	PLUG, CONNECTOR 3P				
CX1402	1-778-293-11	PLUG (MICRO CONNECTOR) 2P				
CX1451	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P				
		< DIODE >				
D1401	8-719-072-05	DIODE RBV-602LF-A				
D1402	8-719-301-45	DIODE RK14				
D1403	8-719-301-45	DIODE RK14				
D1404	8-719-312-08	DIODE FMB-G16L				
D1405	8-719-301-45	DIODE RK14				
D1406	8-719-301-45	DIODE RK14				
		< FUSE HOLDER >				
FH1403	1-533-233-11	FUSE HOLDER				
FH1404	1-533-233-11	FUSE HOLDER				
		< IC >				
IC1401	8-759-474-09	IC SI-8050S-LF1101				
IC1402	6-711-058-01	IC SI-8008HFE				
IC1403	6-711-058-01	IC SI-8008HFE				
IC1404	8-759-474-09	IC SI-8050S-LF1101				
IC1405	6-701-021-01	IC SI-8120JF				
		< COIL >				
L1401	1-456-545-11	COIL, CHOKE	100uH			
L1402	1-456-545-11	COIL, CHOKE	100uH			
L1403	1-456-545-11	COIL, CHOKE	100uH			
L1404	1-456-545-11	COIL, CHOKE	100uH			
L1405	1-456-545-11	COIL, CHOKE	100uH			
L1406	1-457-508-11	COIL, CHOKE	0.1mH			
L1407	1-481-254-11	COIL, CHOKE	0.1mH			
L1408	1-481-254-11	COIL, CHOKE	0.1mH			
L1409	1-457-508-11	COIL, CHOKE	0.1mH			
L1410	1-457-508-11	COIL, CHOKE	0.1mH			
		< TRANSISTOR >				
Q1409	8-729-027-52	TRANSISTOR	DTC124EKA-T146			
		< RESISTOR >				
R1401	1-216-041-00	METAL CHIP	470	5%	1/10W	
R1402	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1403	1-216-033-00	METAL CHIP	220	5%	1/10W	
R1404	1-216-041-00	METAL CHIP	470	5%	1/10W	
R1405	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R1406	1-216-017-91	METAL CHIP	47	5%	1/10W	
R1407	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R1408	1-216-017-91	METAL CHIP	47	5%	1/10W	
R1409	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1410	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1411	1-216-049-11	METAL CHIP	1K	5%	1/10W	

DC-DC DCDC2 DIGITAL

Ref. No.	Part No.	Description			Remark
R1412	1-216-037-00	METAL CHIP	330	5%	1/10W
R1417	1-216-158-00	METAL CHIP	22	5%	1/8W

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DCDC2 BOARD
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Ref. No.	Part No.	Description			Remark
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1451	1-100-924-21	ELECT	2200uF	20%	35V
C1453	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C1455	1-128-951-21	ELECT	2200uF	20%	16V
C1458	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
		< CONNECTOR >			
* CN1450	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P			
		< DIODE >			
D1451	8-719-312-08	DIODE FMB-G16L			
		< IC >			
IC1451	6-711-058-01	IC SI-8008HFE			
		< COIL >			
L1451	1-456-545-11	COIL, CHOKE		100uH	
L1453	1-481-254-11	COIL, CHOKE		0.1mH	
L1454	1-457-594-11	COIL, LINE FILTER		10uH	
		< RESISTOR >			
R1450	1-216-033-00	METAL CHIP	220	5%	1/10W
R1451	1-216-041-00	METAL CHIP	470	5%	1/10W
R1452	1-216-059-00	METAL CHIP	2.7K	5%	1/10W
R1453	1-216-025-11	METAL CHIP	100	5%	1/10W
R1454	1-216-025-11	METAL CHIP	100	5%	1/10W

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A-1538-080-A DIGITAL BOARD, COMPLETE (US, CND)
A-1538-139-A DIGITAL BOARD, COMPLETE (AEP, ECE, UK)
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Ref. No.	Part No.	Description			Remark
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C2001	1-115-156-11	CERAMIC CHIP	1uF		10V (AEP, ECE, UK)
C2004	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V (AEP, ECE, UK)
C2005	1-112-071-11	ELECT CHIP	220uF	20%	6.3V (AEP, ECE, UK)
C2006	1-112-071-11	ELECT CHIP	220uF	20%	6.3V (AEP, ECE, UK)
C2007	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2009	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2010	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2011	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2012	1-112-071-11	ELECT CHIP	220uF	20%	6.3V (AEP, ECE, UK)
C2013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2014	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2015	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2016	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2017	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2018	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2021	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2022	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2024	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2031	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2032	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2036	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2037	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2038	1-162-916-11	CERAMIC CHIP	12PF	5%	50V (AEP, ECE, UK)
C2039	1-112-071-11	ELECT CHIP	220uF	20%	6.3V (AEP, ECE, UK)
C2040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (AEP, ECE, UK)
C2041	1-162-916-11	CERAMIC CHIP	12PF	5%	50V (AEP, ECE, UK)
C2201	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2202	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2204	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2207	1-112-080-11	ELECT	470uF	20%	10V
C2208	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V

Ref. No.	Part No.	Description			Remark
C2209	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2210	1-112-089-11	ELECT	47uF	20%	25V
C2211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2212	1-112-089-11	ELECT	47uF	20%	25V
C2213	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2214	1-112-089-11	ELECT	47uF	20%	25V
C2215	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2217	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2221	1-112-080-11	ELECT	470uF	20%	10V
C2222	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2224	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2225	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C2226	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C2227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2230	1-112-100-11	ELECT	10uF	20%	50V
C2231	1-112-080-11	ELECT	470uF	20%	10V
C2232	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2233	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2234	1-112-083-11	ELECT	100uF	20%	16V (US, CND)
C2234	1-114-571-91	ELECT	470uF	20%	10V (AEP, ECE, UK)
C2235	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C2236	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2237	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2238	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2244	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2245	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2246	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2251	1-112-089-11	ELECT	47uF	20%	25V (US, CND)
C2251	1-114-571-91	ELECT	470uF	20%	10V (AEP, ECE, UK)
C2252	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2253	1-112-083-11	ELECT	100uF	20%	16V
C2254	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2255	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2256	1-112-083-11	ELECT	100uF	20%	16V
C2257	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2258	1-112-114-11	ELECT	22uF	20%	50V
C2259	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2260	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2261	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2262	1-112-100-11	ELECT	10uF	20%	50V
C2263	1-112-075-11	ELECT CHIP	47uF	20%	16V
C2264	1-112-075-11	ELECT CHIP	47uF	20%	16V
C2265	1-112-100-11	ELECT	10uF	20%	50V
C2266	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2267	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2268	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2270	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2271	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2271	1-114-275-91	ELECT	220uF	20%	16V (AEP, ECE, UK)
C2272	1-112-083-11	ELECT	100uF	20%	16V (US, CND)
C2272	1-114-571-91	ELECT	470uF	20%	10V (AEP, ECE, UK)
C2273	1-112-114-11	ELECT	22uF	20%	50V (US, CND)
C2273	1-114-275-91	ELECT	220uF	20%	16V (AEP, ECE, UK)
C2274	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2275	1-137-429-11	MYLAR	270PF	5%	50V
C2276	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2278	1-112-100-11	ELECT	10uF	20%	50V
C2279	1-112-083-11	ELECT	100uF	20%	16V (US, CND)
C2279	1-114-571-91	ELECT	470uF	20%	10V (AEP, ECE, UK)
C2280	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2281	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2282	1-112-100-11	ELECT	10uF	20%	50V
C2283	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2284	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2285	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2286	1-137-429-11	MYLAR	270PF	5%	50V
C2287	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2291	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2292	1-137-429-11	MYLAR	270PF	5%	50V
C2293	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2295	1-112-100-11	ELECT	10uF	20%	50V
C2296	1-112-100-11	ELECT	10uF	20%	50V
C2297	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2298	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2299	1-137-429-11	MYLAR	270PF	5%	50V
C2300	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2301	1-137-429-11	MYLAR	270PF	5%	50V
C2302	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2303	1-112-100-11	ELECT	10uF	20%	50V
C2304	1-112-100-11	ELECT	10uF	20%	50V
C2305	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2306	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2307	1-137-429-11	MYLAR	270PF	5%	50V
C2308	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2309	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2310	1-137-429-11	MYLAR	270PF	5%	50V
C2311	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2313	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2314	1-112-100-11	ELECT	10uF	20%	50V
C2315	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C2316	1-112-100-11	ELECT	10uF	20%	50V
C2317	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C2318	1-137-457-11	MYLAR	0.0027uF	5%	100V
C2319	1-137-429-11	MYLAR	270PF	5%	50V
C2320	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2321	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2322	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2323	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2324	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C2325	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

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Ref. No.	Part No.	Description				Remark
C2326	1-112-071-11	ELECT CHIP	220uF	20%	6.3V	
C2327	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2328	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2329	1-100-153-91	CERAMIC CHIP	220PF	5%	100V	
C2330	1-112-071-11	ELECT CHIP	220uF	20%	6.3V	
C2331	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2338	1-114-571-91	ELECT	470uF	20%	10V	(AEP, ECE, UK)
C2342	1-112-071-11	ELECT CHIP	220uF	20%	6.3V	
C2343	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C2344	1-112-114-11	ELECT	22uF	20%	50V	
C2345	1-112-114-11	ELECT	22uF	20%	50V	
C2346	1-112-100-11	ELECT	10uF	20%	50V	
C2347	1-162-960-11	CERAMIC CHIP	220PF	10%	50V	
C2348	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2349	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2350	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2351	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2352	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2353	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2354	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
C2355	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	
		< CONNECTOR >				
CN2202	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P				
CN2204	1-691-775-11	PLUG (MICRO CONNECTOR) 13P				
CN2205	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P				
CN2206	1-785-910-21	CONNECTOR, BOARD TO BOARD 50P				
CN2207	1-784-930-11	PIN, CONNECTOR 15P				
		< DIODE >				
D2201	6-501-193-01	DIODE 1SS355WTE-17				
		< FERRITE BEAD >				
FB2001	1-414-234-22	INDUCTOR, FERRITE BEAD (AEP, ECE, UK)				
FB2002	1-414-234-22	INDUCTOR, FERRITE BEAD (AEP, ECE, UK)				
FB2003	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP, ECE, UK)				
FB2004	1-469-139-21	FERRITE, EMI (SMD) (2012) (AEP, ECE, UK)				
FB2005	1-469-139-21	FERRITE, EMI (SMD) (2012) (AEP, ECE, UK)				
FB2006	1-469-139-21	FERRITE, EMI (SMD) (2012) (AEP, ECE, UK)				
FB2007	1-469-152-11	FERRITE, EMI (SMD) (2012) (AEP, ECE, UK)				
FB2201	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2202	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2203	1-469-139-21	FERRITE, EMI (SMD) (2012)				
FB2204	1-469-139-21	FERRITE, EMI (SMD) (2012)				
FB2205	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2206	1-469-139-21	FERRITE, EMI (SMD) (2012)				
FB2207	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2208	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2209	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2210	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2211	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2212	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2213	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2214	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2215	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2216	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2217	1-469-152-11	FERRITE, EMI (SMD) (2012)				
FB2218	1-469-139-21	FERRITE, EMI (SMD) (2012)				
FB2219	1-469-152-11	FERRITE, EMI (SMD) (2012)				

Ref. No.	Part No.	Description				Remark
		< IC >				
IC2001	6-711-132-01	IC MM3291CNRE (AEP, ECE, UK)				
IC2002	6-711-360-01	IC M12L16161A-7TG (AEP, ECE, UK)				
IC2003	6-712-758-01	IC EP2C5T144C8N (AEP, ECE, UK)				
IC2004	6-808-108-01	IC EPCS1SI8N-08HATS (AEP, ECE, UK)				
IC2005	8-759-546-74	IC TC7WH157FU (TE12R) (AEP, ECE, UK)				
IC2006	8-759-096-87	IC TC7WU04FU (TE12R) (AEP, ECE, UK)				
IC2201	6-600-466-01	IC TORX147L (SONY) (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL VIDEO 1 IN)				
IC2202	6-600-466-01	IC TORX147L (SONY) (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL SAT IN)				
IC2203	6-600-466-01	IC TORX147L (SONY) (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL TAPE IN)				
IC2204	6-600-466-01	IC TORX147L (SONY) (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL MD IN)				
IC2205	6-600-461-11	IC TOTX147L (R) (DIGITAL ASSIGNABLE (INPUT ONLY) OPTICAL MD OUT)				
IC2206	6-706-487-01	IC TC7SH08FU (T5RSOYJF)				
IC2207	6-700-595-01	IC TC74ACT151F (EL)				
IC2208	6-708-025-01	IC LC89057W-VF4A-E				
IC2209	8-759-530-30	IC TC74VHCU04FT (EL)				
IC2210	8-759-529-76	IC TC74VHC595FT (EL)				
IC2211	8-759-524-48	IC TC74VHC393FT (EL)				
IC2212	6-707-870-01	IC TC74VHC157FT (EKJ)				
IC2213	6-707-870-01	IC TC74VHC157FT (EKJ)				
IC2214	6-707-870-01	IC TC74VHC157FT (EKJ)				
IC2215	6-705-312-01	IC S-T111B33MC-OGSTFG				
IC2216	6-706-487-01	IC TC7SH08FU (T5RSOYJF)				
IC2217	6-709-033-01	IC WM8782SEDS/R				
IC2218	6-712-740-01	IC PCM1681PWPR				
IC2219	8-759-710-97	IC NJM4565M-D				
IC2220	8-759-710-97	IC NJM4565M-D				
IC2221	8-759-710-97	IC NJM4565M-D				
IC2222	8-759-710-97	IC NJM4565M-D				
IC2223	6-711-059-01	IC SM5921AF-G				
IC2224	6-711-360-01	IC M12L16161A-7TG				
IC2225	6-600-466-01	IC TORX147L (SONY) (DIGITAL ASSIGNABLE (INPUT ONLY) TV OPTICAL IN)				
IC2226	6-808-118-01	IC CS2300002-CZZR				
IC2227	8-759-058-64	IC TC7S32FU (TE85R)				
IC2228	6-707-870-01	IC TC74VHC157FT (EKJ)				
		< JACK >				
J2201	1-821-163-11	JACK, PIN 3P (DIGITAL ASSIGNABLE (INPUT ONLY) COAXIAL BD/DVD/SA-CD/CD IN)				
		< TRANSISTOR >				
Q2205	8-729-027-43	TRANSISTOR	DTC114EKA-T146			
Q2206	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L			
		< RESISTOR >				
R2001	1-216-809-11	METAL CHIP	100	5%	1/10W	(AEP, ECE, UK)
R2002	1-216-809-11	METAL CHIP	100	5%	1/10W	(AEP, ECE, UK)
R2003	1-216-821-11	METAL CHIP	1K	5%	1/10W	(AEP, ECE, UK)
R2004	1-216-833-11	METAL CHIP	10K	5%	1/10W	(AEP, ECE, UK)
R2005	1-216-797-11	METAL CHIP	10	5%	1/10W	(AEP, ECE, UK)

Ref. No.	Part No.	Description			Remark
R2006	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2008	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2009	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, ECE, UK)
R2010	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2011	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2012	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2013	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2014	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2015	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2016	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2017	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2018	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2020	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2022	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2024	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2025	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2026	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, ECE, UK)
R2027	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, ECE, UK)
R2028	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, ECE, UK)
R2029	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2030	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2031	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, ECE, UK)
R2032	1-216-805-11	METAL CHIP	47	5%	1/10W (AEP, ECE, UK)
R2033	1-216-805-11	METAL CHIP	47	5%	1/10W (AEP, ECE, UK)
R2034	1-216-815-11	METAL CHIP	330	5%	1/10W (AEP, ECE, UK)
R2035	1-216-805-11	METAL CHIP	47	5%	1/10W (AEP, ECE, UK)
R2036	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, ECE, UK)
R2037	1-216-821-11	METAL CHIP	1K	5%	1/10W (AEP, ECE, UK)
R2038	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2039	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2040	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2041	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2042	1-216-809-11	METAL CHIP	100	5%	1/10W (AEP, ECE, UK)
R2043	1-216-833-11	METAL CHIP	10K	5%	1/10W (AEP, ECE, UK)
R2045	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2046	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2047	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2048	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2049	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2050	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2051	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2052	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2053	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2054	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2055	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2056	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2057	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2058	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2059	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2060	1-216-864-11	SHORT CHIP	0 (AEP, ECE, UK)		
R2061	1-216-857-11	METAL CHIP	1M	5%	1/10W (AEP, ECE, UK)
R2062	1-216-797-11	METAL CHIP	10	5%	1/10W (AEP, ECE, UK)
R2063	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2201	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2203	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2204	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2205	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R2206	1-216-809-11	METAL CHIP	100	5%	1/10W
R2207	1-216-809-11	METAL CHIP	100	5%	1/10W
R2208	1-216-809-11	METAL CHIP	100	5%	1/10W
R2209	1-216-809-11	METAL CHIP	100	5%	1/10W
R2210	1-216-809-11	METAL CHIP	100	5%	1/10W
R2211	1-216-809-11	METAL CHIP	100	5%	1/10W
R2212	1-216-809-11	METAL CHIP	100	5%	1/10W
R2213	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2214	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2215	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2216	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2217	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R2218	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R2219	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R2220	1-216-809-11	METAL CHIP	100	5%	1/10W
R2221	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2222	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2223	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2224	1-216-809-11	METAL CHIP	100	5%	1/10W
R2225	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2226	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2227	1-216-809-11	METAL CHIP	100	5%	1/10W
R2228	1-216-809-11	METAL CHIP	100	5%	1/10W
R2229	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2230	1-216-809-11	METAL CHIP	100	5%	1/10W

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Ref. No.	Part No.	Description			Remark
R2231	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2232	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2233	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2234	1-216-809-11	METAL CHIP	100	5%	1/10W
R2235	1-216-813-11	METAL CHIP	220	5%	1/10W
R2237	1-216-864-11	SHORT CHIP	0		
R2238	1-216-815-11	METAL CHIP	330	5%	1/10W
R2239	1-216-864-11	SHORT CHIP	0		
R2240	1-216-805-11	METAL CHIP	47	5%	1/10W
R2241	1-216-809-11	METAL CHIP	100	5%	1/10W
R2242	1-216-805-11	METAL CHIP	47	5%	1/10W
R2243	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2246	1-216-815-11	METAL CHIP	330	5%	1/10W
R2248	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2249	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2250	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2251	1-216-809-11	METAL CHIP	100	5%	1/10W
R2252	1-216-809-11	METAL CHIP	100	5%	1/10W
R2256	1-216-809-11	METAL CHIP	100	5%	1/10W
R2257	1-216-809-11	METAL CHIP	100	5%	1/10W
R2258	1-216-809-11	METAL CHIP	100	5%	1/10W
R2259	1-216-805-11	METAL CHIP	47	5%	1/10W
R2260	1-216-805-11	METAL CHIP	47	5%	1/10W
R2261	1-216-805-11	METAL CHIP	47	5%	1/10W
R2262	1-216-805-11	METAL CHIP	47	5%	1/10W
R2263	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2265	1-216-815-11	METAL CHIP	330	5%	1/10W
R2266	1-216-809-11	METAL CHIP	100	5%	1/10W
R2267	1-216-809-11	METAL CHIP	100	5%	1/10W
R2268	1-216-813-11	METAL CHIP	220	5%	1/10W
R2269	1-216-809-11	METAL CHIP	100	5%	1/10W
R2270	1-216-805-11	METAL CHIP	47	5%	1/10W
R2271	1-216-805-11	METAL CHIP	47	5%	1/10W
R2272	1-216-805-11	METAL CHIP	47	5%	1/10W
R2273	1-216-805-11	METAL CHIP	47	5%	1/10W
R2274	1-216-805-11	METAL CHIP	47	5%	1/10W
R2275	1-216-797-11	METAL CHIP	10	5%	1/10W
R2276	1-216-809-11	METAL CHIP	100	5%	1/10W
R2277	1-216-805-11	METAL CHIP	47	5%	1/10W
R2278	1-216-805-11	METAL CHIP	47	5%	1/10W
R2279	1-216-797-11	METAL CHIP	10	5%	1/10W
R2280	1-216-809-11	METAL CHIP	100	5%	1/10W
R2281	1-216-809-11	METAL CHIP	100	5%	1/10W
R2282	1-216-809-11	METAL CHIP	100	5%	1/10W
R2283	1-216-809-11	METAL CHIP	100	5%	1/10W
R2284	1-216-809-11	METAL CHIP	100	5%	1/10W
R2285	1-216-805-11	METAL CHIP	47	5%	1/10W
R2286	1-216-809-11	METAL CHIP	100	5%	1/10W
R2287	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2288	1-216-809-11	METAL CHIP	100	5%	1/10W
R2289	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2290	1-216-805-11	METAL CHIP	47	5%	1/10W
R2291	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2292	1-216-864-11	SHORT CHIP	0		
R2293	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2294	1-216-809-11	METAL CHIP	100	5%	1/10W
R2295	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2296	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2297	1-216-813-11	METAL CHIP	220	5%	1/10W
R2298	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2299	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2300	1-216-815-11	METAL CHIP	330	5%	1/10W
R2301	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2302	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2303	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2304	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2305	1-216-809-11	METAL CHIP	100	5%	1/10W
R2306	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2307	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2308	1-216-809-11	METAL CHIP	100	5%	1/10W
R2309	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2310	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2311	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2312	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2313	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2314	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2315	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2316	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2317	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2318	1-216-809-11	METAL CHIP	100	5%	1/10W
R2319	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2320	1-216-809-11	METAL CHIP	100	5%	1/10W
R2321	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2322	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2323	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2324	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2325	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2326	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2327	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2328	1-216-809-11	METAL CHIP	100	5%	1/10W
R2329	1-216-809-11	METAL CHIP	100	5%	1/10W
R2330	1-216-809-11	METAL CHIP	100	5%	1/10W
R2331	1-216-809-11	METAL CHIP	100	5%	1/10W
R2332	1-216-809-11	METAL CHIP	100	5%	1/10W
R2333	1-216-809-11	METAL CHIP	100	5%	1/10W
R2334	1-216-805-11	METAL CHIP	47	5%	1/10W
R2335	1-216-805-11	METAL CHIP	47	5%	1/10W
R2336	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2337	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2338	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2339	1-216-809-11	METAL CHIP	100	5%	1/10W
R2340	1-216-809-11	METAL CHIP	100	5%	1/10W
R2341	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2342	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2343	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2344	1-216-845-11	METAL CHIP	100K	5%	1/10W
R2345	1-216-809-11	METAL CHIP	100	5%	1/10W
R2346	1-216-809-11	METAL CHIP	100	5%	1/10W
R2347	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2348	1-216-809-11	METAL CHIP	100	5%	1/10W
R2349	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2350	1-216-809-11	METAL CHIP	100	5%	1/10W
R2351	1-216-809-11	METAL CHIP	100	5%	1/10W
R2352	1-216-809-11	METAL CHIP	100	5%	1/10W
R2353	1-216-809-11	METAL CHIP	100	5%	1/10W
R2354	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2355	1-216-809-11	METAL CHIP	100	5%	1/10W
R2356	1-216-809-11	METAL CHIP	100	5%	1/10W
R2357	1-216-809-11	METAL CHIP	100	5%	1/10W
R2358	1-216-805-11	METAL CHIP	47	5%	1/10W

Ref. No.	Part No.	Description			Remark
R2359	1-216-805-11	METAL CHIP	47	5%	1/10W
R2360	1-216-809-11	METAL CHIP	100	5%	1/10W
R2361	1-216-809-11	METAL CHIP	100	5%	1/10W
R2362	1-216-809-11	METAL CHIP	100	5%	1/10W
R2363	1-216-809-11	METAL CHIP	100	5%	1/10W
R2364	1-216-809-11	METAL CHIP	100	5%	1/10W
R2365	1-216-809-11	METAL CHIP	100	5%	1/10W
R2366	1-216-809-11	METAL CHIP	100	5%	1/10W
R2367	1-216-809-11	METAL CHIP	100	5%	1/10W
R2368	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2369	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2370	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2371	1-216-809-11	METAL CHIP	100	5%	1/10W
R2372	1-216-809-11	METAL CHIP	100	5%	1/10W
R2373	1-216-809-11	METAL CHIP	100	5%	1/10W
R2374	1-216-809-11	METAL CHIP	100	5%	1/10W
R2375	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2376	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2378	1-216-809-11	METAL CHIP	100	5%	1/10W
R2379	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2380	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2384	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2385	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2386	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2387	1-216-809-11	METAL CHIP	100	5%	1/10W
R2391	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2395	1-216-864-11	SHORT CHIP	0		
R2396	1-216-864-11	SHORT CHIP	0		
R2399	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2400	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2401	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2402	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2403	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2404	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2405	1-216-864-11	SHORT CHIP	0 (US, CND)		
R2406	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R2407	1-216-864-11	SHORT CHIP	0		
R2408	1-216-864-11	SHORT CHIP	0		
R2409	1-216-864-11	SHORT CHIP	0		
R2413	1-216-864-11	SHORT CHIP	0		
R2414	1-216-864-11	SHORT CHIP	0		
R2415	1-216-864-11	SHORT CHIP	0		
R2416	1-216-813-11	METAL CHIP	220	5%	1/10W
R2417	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2418	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2419	1-216-809-11	METAL CHIP	100	5%	1/10W
R2420	1-216-809-11	METAL CHIP	100	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB2001	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2002	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2003	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2004	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2005	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2006	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2007	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2008	1-233-576-11	RES, CHIP NETWORK 100 (3216) (AEP, ECE, UK)			
RB2009	1-239-409-11	RES, CHIP NETWORK 47 (3216) (AEP, ECE, UK)			

Ref. No.	Part No.	Description				Remark
		< VIBRATOR >				
X2001	1-767-286-11	VIBRATOR, CRYSTAL (22.5792MHz) (AEP, ECE, UK)				
X2201	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)				

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Ref. No.	Part No.	Description				Remark
	A-1538-084-A	DISPLAY BOARD, COMPLETE				
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	2-389-320-01	CUSHION				
		< CAPACITOR >				
C701	1-104-957-11	ELECT	47uF	20%	25V	
C704	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C706	1-104-957-11	ELECT	47uF	20%	25V	
C707	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C708	1-126-795-11	ELECT	10uF	20%	50V	
C712	1-165-733-31	ELECT	100uF	20%	25V	
C713	1-107-378-11	MYLAR	0.0039uF	5%	200V	
C714	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C715	1-137-807-31	ELECT	100uF	20%	50V	
C716	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C718	1-104-957-11	ELECT	47uF	20%	25V	
C719	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C721	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C722	1-126-795-11	ELECT	10uF	20%	50V	
C723	1-126-795-11	ELECT	10uF	20%	50V	
C724	1-104-957-11	ELECT	47uF	20%	25V	
C725	1-104-957-11	ELECT	47uF	20%	25V	
C726	1-104-957-11	ELECT	47uF	20%	25V	
C727	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C728	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C729	1-126-795-11	ELECT	10uF	20%	50V	
C730	1-126-795-11	ELECT	10uF	20%	50V	
C731	1-126-795-11	ELECT	10uF	20%	50V	
C732	1-126-795-11	ELECT	10uF	20%	50V	
C733	1-107-925-11	ELECT	1uF	20%	100V	
C734	1-104-957-11	ELECT	47uF	20%	25V	
C735	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
C737	1-126-795-11	ELECT	10uF	20%	50V	
C739	1-126-795-11	ELECT	10uF	20%	50V	
C740	1-126-795-11	ELECT	10uF	20%	50V	
C741	1-126-795-11	ELECT	10uF	20%	50V	
C742	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C743	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C745	1-126-795-11	ELECT	10uF	20%	50V	
C746	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V	
C747	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C748	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	
C749	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C750	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V	
C751	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C754	1-100-566-91	CERAMIC CHIP	0.1uF	10%	25V	
		< CONNECTOR >				
CN701	1-784-928-11	PIN, CONNECTOR 13P				
CN702	1-779-799-11	PIN, CONNECTOR 9P				
* CN704	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
* CN706	1-564-724-11	PIN, CONNECTOR (SMALL TYPE) 8P				
CN710	1-784-930-11	PIN, CONNECTOR 15P				

DISPLAY

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D701	8-719-056-11	LED SML72423C-TP15 (ON/STANDBY)	
D702	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)	
D703	6-502-413-01	LED SELT5E23C-S TP15 (MULTI CHANNEL DECODING)	
D704	6-501-818-01	DIODE MA2J1130GLS0	
D705	6-501-818-01	DIODE MA2J1130GLS0	
D706	6-501-818-01	DIODE MA2J1130GLS0	
D707	6-501-818-01	DIODE MA2J1130GLS0	
D708	6-501-743-01	DIODE MAZ8068GMLS0	
D709	6-501-817-01	DIODE MA2J1110GLS0	
D710	6-501-817-01	DIODE MA2J1110GLS0	
		< FERRITE BEAD >	
FB701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB702	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC701	6-600-349-31	IC NJL24H400A	
IC702	6-705-468-01	IC BA33BC0FP-E2	
IC703	8-759-825-56	IC NJM2173AV (TE2)	
		< JUMPER RESISTOR >	
JW753	1-216-296-11	SHORT CHIP 0	
		< COIL >	
L701	1-421-967-11	COIL, CHOKE 100uH	
		< FLUORESCENT INDICATOR TUBE >	
ND701	1-483-011-11	VACUUM FLUORESCENT DISPLAYS	
		< TRANSISTOR >	
Q701	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q702	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q703	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q704	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q705	8-729-808-42	TRANSISTOR 2SD1624-T	
Q706	8-729-808-42	TRANSISTOR 2SD1624-T	
Q707	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q708	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q709	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q710	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q711	8-729-216-22	TRANSISTOR 2SA1162-G	
		< RESISTOR >	
R701	1-216-037-00	METAL CHIP 330 5% 1/10W	
R703	1-216-295-91	SHORT CHIP 0	
R705	1-216-295-91	SHORT CHIP 0	
R706	1-216-001-00	METAL CHIP 10 5% 1/10W	
⚠ R707	1-249-385-91	CARBON 2.2 5% 1/4W	F
⚠ R708	1-249-385-91	CARBON 2.2 5% 1/4W	F
R709	1-216-025-11	METAL CHIP 100 5% 1/10W	
R710	1-216-025-11	METAL CHIP 100 5% 1/10W	
R711	1-216-025-11	METAL CHIP 100 5% 1/10W	
R712	1-216-025-11	METAL CHIP 100 5% 1/10W	
R713	1-216-025-11	METAL CHIP 100 5% 1/10W	
R714	1-216-025-11	METAL CHIP 100 5% 1/10W	
R715	1-216-025-11	METAL CHIP 100 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R716	1-216-025-11	METAL CHIP 100 5% 1/10W	
R717	1-216-025-11	METAL CHIP 100 5% 1/10W	
R718	1-216-025-11	METAL CHIP 100 5% 1/10W	
R719	1-216-037-00	METAL CHIP 330 5% 1/10W	
R720	1-216-025-11	METAL CHIP 100 5% 1/10W	
R721	1-216-029-00	METAL CHIP 150 5% 1/10W	
R723	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R724	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R725	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R726	1-216-073-91	METAL CHIP 10K 5% 1/10W	
R727	1-216-065-91	METAL CHIP 4.7K 5% 1/10W	
R728	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R729	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R730	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R731	1-216-067-00	METAL CHIP 5.6K 5% 1/10W	
R733	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R734	1-216-083-00	METAL CHIP 27K 5% 1/10W	
R735	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R736	1-216-049-11	METAL CHIP 1K 5% 1/10W	
R737	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R738	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R740	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R741	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R743	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R744	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R745	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R746	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R748	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R749	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R750	1-216-849-11	METAL CHIP 220K 5% 1/10W	
R751	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R752	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R753	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R754	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R755	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R757	1-216-025-11	METAL CHIP 100 5% 1/10W	
R758	1-216-041-00	METAL CHIP 470 5% 1/10W	
R759	1-216-073-91	METAL CHIP 10K 5% 1/10W	
R772	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
		< SWITCH/ROTARY ENCODER >	
S701	1-771-349-21	SWITCH, KEYBOARD (MUSIC)	
S702	1-771-349-21	SWITCH, KEYBOARD (MOVIE)	
S703	1-771-349-21	SWITCH, KEYBOARD (A.F.D.)	
S704	1-771-349-21	SWITCH, KEYBOARD (2CH/A.DIRECT)	
S705	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)	
S706	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)	
S707	1-771-349-21	SWITCH, KEYBOARD (DIMMER)	
S708	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)	
S709	1-771-349-21	SWITCH, KEYBOARD (TUNING MODE)	
S710	1-771-349-21	SWITCH, KEYBOARD (TONE MODE)	
S711	1-771-349-21	SWITCH, KEYBOARD (ZONE SELECT)	
S712	1-771-349-21	SWITCH, KEYBOARD (ZONE POWER)	
S713	1-418-400-11	ENCODER, ROTARY (TONE)	
S714	1-418-400-11	ENCODER, ROTARY (TUNING)	
S715	1-418-400-11	ENCODER, ROTARY (INPUT SELECTOR)	
		< TRANSFORMER >	
T701	1-445-015-11	TRANSFORMER, DC-DC CONVERTER	

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Ref. No.	Part No.	Description			Remark
	A-1538-091-A	DMPORT BOARD, COMPLETE (US, CND)			
	A-1538-147-A	DMPORT BOARD, COMPLETE (AEP, ECE, UK)			
		************************			
		< CAPACITOR >			
C6700	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C6701	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6702	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6703	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6704	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6705	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C6706	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6707	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6708	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6709	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6710	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6711	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6712	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6713	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6714	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6715	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6750	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C6751	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6752	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6753	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6754	1-126-193-11	ELECT CHIP	1uF	20%	50V
C6755	1-165-884-11	CERAMIC CHIP	2.2uF	10%	6.3V
C6756	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6758	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6759	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6760	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C6761	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6762	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6763	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C6764	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6765	1-128-994-21	ELECT CHIP	47uF	20%	10V
C6801	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C6802	1-124-779-00	ELECT CHIP	10uF	20%	16V (US, CND)
C6803	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C6804	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C6805	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C6806	1-162-919-11	CERAMIC CHIP	22PF	5%	50V (US, CND)
C6807	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6808	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6809	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6810	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6812	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6813	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V (US, CND)
C6814	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6815	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6816	1-162-908-11	CERAMIC CHIP	3PF	0.25PF	50V (US, CND)
C6817	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6819	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6820	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6821	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C6822	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V (US, CND)
C6823	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6824	1-126-209-11	ELECT CHIP	100uF	20%	4V (US, CND)
C6825	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (US, CND)
C6826	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6827	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (US, CND)
C6828	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6829	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (US, CND)
C6830	1-162-923-11	CERAMIC CHIP	47PF	5%	50V (US, CND)
C6831	1-128-993-21	ELECT CHIP	22uF	20%	10V (US, CND)
C6832	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6833	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6834	1-128-994-21	ELECT CHIP	47uF	20%	10V (US, CND)
C6835	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6836	1-128-994-21	ELECT CHIP	47uF	20%	10V (US, CND)
C6837	1-124-779-00	ELECT CHIP	10uF	20%	16V (US, CND)
C6838	1-124-779-00	ELECT CHIP	10uF	20%	16V (US, CND)
C6839	1-124-779-00	ELECT CHIP	10uF	20%	16V (US, CND)
C6840	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (US, CND)
C6841	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V (US, CND)
C6842	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V (US, CND)
C6843	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6844	1-115-412-11	CERAMIC CHIP	680PF	5%	25V (US, CND)
C6845	1-115-412-11	CERAMIC CHIP	680PF	5%	25V (US, CND)

DMPORT

Ref. No.	Part No.	Description			Remark
C6846	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6847	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6848	1-124-779-00	ELECT CHIP	10uF	20%	16V (US, CND)
C6849	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V (US, CND)
C6850	1-124-779-00	ELECT CHIP	10uF	20%	16V (US, CND)
C6851	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (US, CND)
C6852	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V (US, CND)
		< CONNECTOR >			
CN6701	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE)			(DMPORT 2)
CN6702	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN6703	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN6751	1-817-615-21	CONNECTOR, SQUARE TYPE (RECE)			(DMPORT 1)
CN6801	1-793-642-21	CONNECTOR (USB) (4P), SQUARE (XM)			(US, CND)
		< DIODE >			
D6701	6-501-817-01	DIODE MA2J1110GLS0			
D6702	6-501-817-01	DIODE MA2J1110GLS0			
D6703	6-501-817-01	DIODE MA2J1110GLS0			
D6704	6-501-817-01	DIODE MA2J1110GLS0			
D6751	6-501-817-01	DIODE MA2J1110GLS0			
D6752	6-501-817-01	DIODE MA2J1110GLS0			
D6801	6-501-817-01	DIODE MA2J1110GLS0			
D6802	6-501-817-01	DIODE MA2J1110GLS0			
D6803	8-719-083-02	DIODE KDS160-RTK (US, CND)			
D6804	8-719-083-02	DIODE KDS160-RTK (US, CND)			
D6805	6-500-462-01	DIODE NSAD500F-T1B (US, CND)			
		< EARTH TERMINAL >			
ET6701	1-780-318-11	TERMINAL			
ET6751	1-780-318-11	TERMINAL			
		< FERRITE BEAD >			
FB6802	1-469-152-11	FERRITE, EMI (SMD) (2012) (US, CND)			
FB6803	1-469-152-11	FERRITE, EMI (SMD) (2012) (US, CND)			
		< IC >			
IC6701	6-711-214-01	IC TK73350WTL-G			
IC6702	8-759-710-97	IC NJM4565M-D			
IC6751	6-711-214-01	IC TK73350WTL-G			
IC6752	8-759-710-97	IC NJM4565M-D			
IC6801	6-709-251-01	IC F2602E-01-TR (US, CND)			
IC6802	6-702-302-01	IC TK11133CSCL-G (US, CND)			
IC6803	6-707-111-01	IC PCM1753DBQR (US, CND)			
IC6804	6-706-740-01	IC BA00BC0WFP-E2 (US, CND)			
IC6805	6-705-337-01	IC TK11150CSCL-G (US, CND)			
IC6806	8-759-710-97	IC NJM4565M-D (US, CND)			
		< COIL >			
L6701	1-469-525-91	INDUCTOR	10uH		
L6702	1-469-525-91	INDUCTOR	10uH		
L6751	1-469-525-91	INDUCTOR	10uH		
L6752	1-469-525-91	INDUCTOR	10uH		
		< TRANSISTOR >			
Q6801	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (US, CND)		
Q6802	8-729-027-23	TRANSISTOR	DTA114EKA-T146 (US, CND)		
Q6803	8-729-027-43	TRANSISTOR	DTC114EKA-T146 (US, CND)		
Q6804	6-550-044-01	TRANSISTOR	2SB1689-T106 (US, CND)		
		< RESISTOR >			
R6701	1-216-864-11	SHORT CHIP	0		
R6703	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6709	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6710	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6711	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6712	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6713	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6714	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6715	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6716	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6717	1-216-805-11	METAL CHIP	47	5%	1/10W
R6718	1-216-805-11	METAL CHIP	47	5%	1/10W
R6719	1-216-805-11	METAL CHIP	47	5%	1/10W
R6720	1-216-805-11	METAL CHIP	47	5%	1/10W
R6721	1-216-805-11	METAL CHIP	47	5%	1/10W
R6722	1-216-805-11	METAL CHIP	47	5%	1/10W
R6723	1-216-805-11	METAL CHIP	47	5%	1/10W
R6753	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R6759	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6760	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6761	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6762	1-218-879-11	METAL CHIP	22K	0.5%	1/10W
R6763	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6764	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6765	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6766	1-216-837-11	METAL CHIP	22K	5%	1/10W
R6801	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R6802	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6803	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6804	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R6805	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R6806	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R6807	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R6808	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R6809	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R6810	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R6811	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (US, CND)
R6812	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R6813	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R6814	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)

Ref. No.	Part No.	Description			Remark
R6815	1-216-809-11	METAL CHIP	100	5%	1/10W (US, CND)
R6816	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R6817	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (US, CND)
R6818	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W (US, CND)
R6819	1-216-821-11	METAL CHIP	1K	5%	1/10W (US, CND)
R6820	1-216-864-11	SHORT CHIP	0 (US, CND)		
R6821	1-216-841-11	METAL CHIP	47K	5%	1/10W (US, CND)
R6822	1-216-833-11	METAL CHIP	10K	5%	1/10W (US, CND)
R6823	1-216-845-11	METAL CHIP	100K	5%	1/10W (US, CND)
R6824	1-216-845-11	METAL CHIP	100K	5%	1/10W (US, CND)
R6825	1-216-834-11	METAL CHIP	12K	5%	1/10W (US, CND)
R6826	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (US, CND)
R6827	1-216-832-11	METAL CHIP	8.2K	5%	1/10W (US, CND)
R6828	1-216-834-11	METAL CHIP	12K	5%	1/10W (US, CND)
R6829	1-216-819-11	METAL CHIP	680	5%	1/10W (US, CND)
R6830	1-216-819-11	METAL CHIP	680	5%	1/10W (US, CND)
R6843	1-216-864-11	SHORT CHIP	0 (US, CND)		
		< COMPOSITION CIRCUIT BLOCK >			
RB6801	1-234-378-21	RES, NETWORK 10K (1005X4) (US, CND)			
RB6802	1-234-378-21	RES, NETWORK 10K (1005X4) (US, CND)			
RB6803	1-234-378-21	RES, NETWORK 10K (1005X4) (US, CND)			
RB6804	1-234-378-21	RES, NETWORK 10K (1005X4) (US, CND)			
RB6805	1-234-372-11	RES, NETWORK 100 (1005X4) (US, CND)			
		< VIBRATOR >			
X6801	1-760-841-11	VIBRATOR, CRYSTAL (45.1584MHz) (US, CND)			

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A-1538-090-A DSP BOARD, COMPLETE

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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C5001	1-100-669-11	ELECT CHIP	100uF	20%	10V
C5006	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5007	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5009	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C5010	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C5011	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5014	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C5019	1-117-370-11	CERAMIC CHIP	10uF		10V
C5023	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5024	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5025	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5026	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5029	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5030	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5036	1-117-370-11	CERAMIC CHIP	10uF		10V
C5040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5045	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5046	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5050	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5053	1-117-370-11	CERAMIC CHIP	10uF		10V
C5061	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5062	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5063	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5069	1-117-370-11	CERAMIC CHIP	10uF		10V
C5071	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5073	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5074	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5077	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5078	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5079	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5080	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5082	1-114-617-21	ELECT	3300uF	20%	6.3V
C5085	1-117-370-11	CERAMIC CHIP	10uF		10V
C5088	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5089	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5090	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5091	1-117-370-11	CERAMIC CHIP	10uF		10V
C5092	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5093	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5094	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5095	1-117-370-11	CERAMIC CHIP	10uF		10V
C5096	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5097	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5098	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5099	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5100	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C5201	1-100-669-11	ELECT CHIP	100uF	20%	10V
C5202	1-117-370-11	CERAMIC CHIP	10uF		10V
C5203	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5205	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5206	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5207	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5208	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5209	1-117-370-11	CERAMIC CHIP	10uF		10V
C5210	1-117-370-11	CERAMIC CHIP	10uF		10V
C5211	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5212	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5213	1-126-209-11	ELECT CHIP	100uF	20%	4V
C5214	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C5215	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5216	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5218	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5219	1-117-370-11	CERAMIC CHIP	10uF		10V
C5221	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5223	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5224	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5225	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5226	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5227	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5228	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V

DSP

Ref. No.	Part No.	Description			Remark
C5229	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5230	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5231	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5234	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5236	1-117-370-11	CERAMIC CHIP	10uF		10V
C5240	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5241	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5244	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5245	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5246	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5247	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5248	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5249	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5250	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5253	1-117-370-11	CERAMIC CHIP	10uF		10V
C5261	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5262	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5263	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5269	1-117-370-11	CERAMIC CHIP	10uF		10V
C5271	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5273	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5274	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5277	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5278	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5279	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5280	1-114-385-11	ELECT CHIP	470uF	20%	6.3V
C5282	1-114-617-21	ELECT	3300uF	20%	6.3V
C5285	1-117-370-11	CERAMIC CHIP	10uF		10V
C5292	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5293	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5294	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5295	1-117-370-11	CERAMIC CHIP	10uF		10V
C5296	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5297	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN5001	1-815-136-21	CONNECTOR, BOARD TO BOARD			
CN5204	1-785-125-21	CONNECTOR 6P			
		< DIODE >			
D5001	6-501-193-01	DIODE 1SS355WTE-17			
		< FERRITE BEAD >			
FB5001	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5002	1-400-703-21	(3216, EMI FERRITE (SMD)			
FB5003	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5004	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5006	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5007	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5201	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5202	1-400-703-21	(3216, EMI FERRITE (SMD)			
FB5204	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5205	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5206	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5207	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB5208	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC5001	6-712-613-01	IC SI-3010KM-TLS			
IC5002	(Not supplied)	IC ADSST-AVR-1132			

Ref. No.	Part No.	Description			Remark
IC5006	6-808-264-02	IC S29AL008D70TFI010-08ESX131			
IC5007	6-710-529-01	IC IS61LV5128AL-10TLI			
IC5009	6-701-992-01	IC SN74LVC573APWR			
IC5010	6-701-992-01	IC SN74LVC573APWR			
IC5012	6-706-492-01	IC TC7SHU04FU (T5RSOJF)			
IC5013	6-707-870-01	IC TC74VHC157FT (EKJ)			
IC5201	6-712-613-01	IC SI-3010KM-TLS			
IC5202	(Not supplied)	IC ADSST-AVR-1131			
IC5207	6-710-003-01	IC IS61LV12816L-8TL			
IC5208	A-1566-609-A	IC MB91F353APMT-GE1 (for SERVICE)			
IC5209	6-701-992-01	IC SN74LVC573APWR			
IC5210	6-701-992-01	IC SN74LVC573APWR			
IC5211	8-759-831-52	IC TC7WH125FK (TE85R)			
IC5212	8-759-680-48	IC TC7WH157FK (TE85R)			
IC5213	6-808-262-02	IC SST25VF040B-08ES-X101			
		< RESISTOR >			
R5002	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5003	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5004	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5005	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5013	1-216-864-11	SHORT CHIP	0		
R5014	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R5015	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5016	1-216-864-11	SHORT CHIP	0		
R5018	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5021	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5023	1-216-805-11	METAL CHIP	47	5%	1/10W
R5024	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5025	1-216-805-11	METAL CHIP	47	5%	1/10W
R5026	1-216-801-11	METAL CHIP	22	5%	1/10W
R5027	1-216-801-11	METAL CHIP	22	5%	1/10W
R5028	1-216-801-11	METAL CHIP	22	5%	1/10W
R5032	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5035	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5038	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5041	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-216-864-11	SHORT CHIP	0		
R5044	1-216-864-11	SHORT CHIP	0		
R5046	1-216-864-11	SHORT CHIP	0		
R5047	1-216-864-11	SHORT CHIP	0		
R5048	1-216-801-11	METAL CHIP	22	5%	1/10W
R5049	1-216-864-11	SHORT CHIP	0		
R5051	1-216-864-11	SHORT CHIP	0		
R5052	1-216-864-11	SHORT CHIP	0		
R5053	1-216-801-11	METAL CHIP	22	5%	1/10W
R5054	1-216-801-11	METAL CHIP	22	5%	1/10W
R5055	1-216-864-11	SHORT CHIP	0		
R5056	1-216-864-11	SHORT CHIP	0		
R5057	1-216-864-11	SHORT CHIP	0		
R5058	1-216-864-11	SHORT CHIP	0		
R5059	1-216-864-11	SHORT CHIP	0		
R5060	1-216-801-11	METAL CHIP	22	5%	1/10W
R5061	1-216-801-11	METAL CHIP	22	5%	1/10W
R5062	1-216-801-11	METAL CHIP	22	5%	1/10W
R5063	1-216-801-11	METAL CHIP	22	5%	1/10W
R5064	1-216-801-11	METAL CHIP	22	5%	1/10W
R5065	1-216-801-11	METAL CHIP	22	5%	1/10W
R5066	1-216-801-11	METAL CHIP	22	5%	1/10W

Note: IC5002 and IC5202 cannot exchange with single. When these parts are damaged, exchange the entire mounted board.

Ref. No.	Part No.	Description			Remark
R5067	1-216-801-11	METAL CHIP	22	5%	1/10W
R5068	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5069	1-216-801-11	METAL CHIP	22	5%	1/10W
R5070	1-216-864-11	SHORT CHIP	0		
R5071	1-216-864-11	SHORT CHIP	0		
R5072	1-216-864-11	SHORT CHIP	0		
R5073	1-216-801-11	METAL CHIP	22	5%	1/10W
R5074	1-216-801-11	METAL CHIP	22	5%	1/10W
R5075	1-216-801-11	METAL CHIP	22	5%	1/10W
R5076	1-216-864-11	SHORT CHIP	0		
R5077	1-216-864-11	SHORT CHIP	0		
R5078	1-216-864-11	SHORT CHIP	0		
R5096	1-216-864-11	SHORT CHIP	0		
R5097	1-216-801-11	METAL CHIP	22	5%	1/10W
R5098	1-216-801-11	METAL CHIP	22	5%	1/10W
R5202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5204	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5205	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5208	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5209	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5212	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5213	1-216-864-11	SHORT CHIP	0		
R5214	1-218-854-11	METAL CHIP	2K	0.5%	1/10W
R5215	1-218-871-11	METAL CHIP	10K	0.5%	1/10W
R5216	1-216-864-11	SHORT CHIP	0		
R5218	1-216-864-11	SHORT CHIP	0		
R5220	1-216-864-11	SHORT CHIP	0		
R5221	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5223	1-216-864-11	SHORT CHIP	0		
R5224	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5225	1-216-805-11	METAL CHIP	47	5%	1/10W
R5226	1-216-801-11	METAL CHIP	22	5%	1/10W
R5227	1-216-801-11	METAL CHIP	22	5%	1/10W
R5228	1-216-801-11	METAL CHIP	22	5%	1/10W
R5229	1-216-801-11	METAL CHIP	22	5%	1/10W
R5230	1-216-801-11	METAL CHIP	22	5%	1/10W
R5231	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5232	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5233	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5234	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5235	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5238	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5241	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5242	1-216-864-11	SHORT CHIP	0		
R5244	1-216-864-11	SHORT CHIP	0		
R5246	1-216-801-11	METAL CHIP	22	5%	1/10W
R5247	1-216-864-11	SHORT CHIP	0		
R5248	1-216-801-11	METAL CHIP	22	5%	1/10W
R5249	1-216-864-11	SHORT CHIP	0		
R5251	1-216-864-11	SHORT CHIP	0		
R5252	1-216-864-11	SHORT CHIP	0		
R5253	1-216-801-11	METAL CHIP	22	5%	1/10W
R5254	1-216-801-11	METAL CHIP	22	5%	1/10W
R5255	1-216-864-11	SHORT CHIP	0		
R5256	1-216-864-11	SHORT CHIP	0		
R5257	1-216-864-11	SHORT CHIP	0		
R5258	1-216-864-11	SHORT CHIP	0		
R5259	1-216-864-11	SHORT CHIP	0		
R5260	1-216-801-11	METAL CHIP	22	5%	1/10W
R5261	1-216-801-11	METAL CHIP	22	5%	1/10W

Ref. No.	Part No.	Description			Remark
R5262	1-216-801-11	METAL CHIP	22	5%	1/10W
R5263	1-216-801-11	METAL CHIP	22	5%	1/10W
R5264	1-216-801-11	METAL CHIP	22	5%	1/10W
R5265	1-216-801-11	METAL CHIP	22	5%	1/10W
R5266	1-216-801-11	METAL CHIP	22	5%	1/10W
R5267	1-216-801-11	METAL CHIP	22	5%	1/10W
R5268	1-216-801-11	METAL CHIP	22	5%	1/10W
R5269	1-216-864-11	SHORT CHIP	0		
R5270	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5271	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5272	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5273	1-216-864-11	SHORT CHIP	0		
R5274	1-216-864-11	SHORT CHIP	0		
R5275	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5278	1-216-864-11	SHORT CHIP	0		
R5279	1-216-864-11	SHORT CHIP	0		
R5280	1-216-864-11	SHORT CHIP	0		
R5281	1-216-864-11	SHORT CHIP	0		
R5282	1-216-864-11	SHORT CHIP	0		
R5283	1-216-864-11	SHORT CHIP	0		
R5284	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5285	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5286	1-216-864-11	SHORT CHIP	0		
R5287	1-216-864-11	SHORT CHIP	0		
R5288	1-216-864-11	SHORT CHIP	0		
R5289	1-216-864-11	SHORT CHIP	0		
R5290	1-216-864-11	SHORT CHIP	0		
R5291	1-216-864-11	SHORT CHIP	0		
R5292	1-216-801-11	METAL CHIP	22	5%	1/10W
R5293	1-216-801-11	METAL CHIP	22	5%	1/10W
R5294	1-216-864-11	SHORT CHIP	0		
R5295	1-216-864-11	SHORT CHIP	0		
R5296	1-216-864-11	SHORT CHIP	0		
R5297	1-216-864-11	SHORT CHIP	0		
R5298	1-216-864-11	SHORT CHIP	0		
R5299	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5300	1-216-864-11	SHORT CHIP	0		
R5301	1-216-864-11	SHORT CHIP	0		
R5304	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5305	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB5006	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB5007	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB5008	1-234-371-21	RES, NETWORK 47 (1005X4)			
RB5010	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5011	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5012	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5013	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5014	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5015	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5016	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5017	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5203	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5204	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5205	1-234-372-11	RES, NETWORK 100 (1005X4)			
RB5206	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5207	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5208	1-242-963-21	RES, NETWORK 33 (1005X4)			
RB5209	1-242-963-21	RES, NETWORK 33 (1005X4)			

Ref. No.	Part No.	Description	Remark
RB5210	1-234-372-11	RES, NETWORK 100 (1005X4)	
RB5214	1-242-963-21	RES, NETWORK 33 (1005X4)	
RB5215	1-242-963-21	RES, NETWORK 33 (1005X4)	
RB5216	1-242-963-21	RES, NETWORK 33 (1005X4)	
RB5217	1-242-963-21	RES, NETWORK 33 (1005X4)	
		< VIBRATOR >	
X5001	1-795-843-11	VIBRATOR, CRYSTAL (12.288MHz)	
X5201	1-813-967-21	PIEZOELECTRIC OSCILLAT (25MHz)	
X5202	1-781-893-21	VIBRATOR, CERAMIC (CHIP TYPE) (12.5MHz)	

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Ref. No.	Part No.	Description				Remark
	A-1538-072-A	E-VOL BOARD, COMPLETE				
		**********************				
		< CAPACITOR >				
C1202	1-112-114-11	ELECT	22uF	20%	50V	
C1203	1-112-083-11	ELECT	100uF	20%	16V	
C1204	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1205	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1206	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1207	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	
C1208	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1209	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1210	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1212	1-112-114-11	ELECT	22uF	20%	50V	
C1213	1-112-083-11	ELECT	100uF	20%	16V	
C1214	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1215	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1216	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1217	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	
C1218	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1219	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1220	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1222	1-112-114-11	ELECT	22uF	20%	50V	
C1223	1-112-083-11	ELECT	100uF	20%	16V	
C1224	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1225	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1226	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1227	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	
C1228	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1229	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1230	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1232	1-112-114-11	ELECT	22uF	20%	50V	
C1233	1-112-083-11	ELECT	100uF	20%	16V	
C1234	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1235	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1236	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1237	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V	
C1238	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1239	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C1240	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1243	1-112-426-11	ELECT	47uF	20%	35V	
C1244	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1252	1-112-114-11	ELECT	22uF	20%	50V	
C1253	1-112-083-11	ELECT	100uF	20%	16V	
C1254	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1255	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1262	1-112-114-11	ELECT	22uF	20%	50V	
C1263	1-112-083-11	ELECT	100uF	20%	16V	
C1264	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1265	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1272	1-112-114-11	ELECT	22uF	20%	50V	
C1273	1-112-083-11	ELECT	100uF	20%	16V	
C1274	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1275	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1280	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1282	1-112-114-11	ELECT	22uF	20%	50V	
C1283	1-112-083-11	ELECT	100uF	20%	16V	
C1284	1-163-235-11	CERAMIC CHIP	22PF	5%	50V	
C1285	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V	
C1286	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C1290	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
		< CONNECTOR >				
CN1201	1-764-864-41	CONNECTOR, BOARD TO BOARD 12P				
CN1202	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P				
CN1203	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P				
CN1204	1-766-719-41	CONNECTOR, BOARD TO BOARD 10P				
CN1208	1-784-925-11	PIN, CONNECTOR 10P				
CN1209	1-779-977-11	PIN, CONNECTOR 6P				
		< IC >				
IC1202	8-759-710-97	IC NJM4565M-D				
IC1203	6-709-814-01	IC CXD9725M-HFL				
IC1212	8-759-710-97	IC NJM4565M-D				
IC1213	6-709-814-01	IC CXD9725M-HFL				
IC1222	8-759-710-97	IC NJM4565M-D				
IC1223	6-709-814-01	IC CXD9725M-HFL				
IC1232	8-759-710-97	IC NJM4565M-D				
IC1233	6-709-814-01	IC CXD9725M-HFL				
		< RESISTOR >				
R1202	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R1203	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1204	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1205	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1206	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1207	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1212	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R1213	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1214	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1215	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1216	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1217	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1222	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R1223	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1224	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1225	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1226	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1227	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1232	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R1233	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1234	1-216-025-11	METAL CHIP	100	5%	1/10W	
R1235	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1236	1-216-013-00	METAL CHIP	33	5%	1/10W	
R1237	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1252	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R1253	1-216-097-11	METAL CHIP	100K	5%	1/10W	
R1257	1-216-097-11	METAL CHIP	100K	5%	1/10W	

Ref. No.	Part No.	Description			Remark
R1262	1-216-049-11	METAL CHIP	1K	5%	1/10W
R1263	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1267	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1272	1-216-049-11	METAL CHIP	1K	5%	1/10W
R1273	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1277	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1282	1-216-049-11	METAL CHIP	1K	5%	1/10W
R1283	1-216-097-11	METAL CHIP	100K	5%	1/10W
R1287	1-216-097-11	METAL CHIP	100K	5%	1/10W

****

KEY1 BOARD
****

< CONNECTOR >

Ref. No.	Part No.	Description			Remark
* CN715	1-568-941-11	PIN, CONNECTOR 3P			

< RESISTOR >

Ref. No.	Part No.	Description			Remark
R760	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R761	1-216-057-00	METAL CHIP	2.2K	5%	1/10W

< SWITCH >

Ref. No.	Part No.	Description
S720	1-771-349-21	SWITCH, KEYBOARD (HDMI IN)
S721	1-771-349-21	SWITCH, KEYBOARD (HDMI OUT)

****

Part No.	Description
A-1538-066-A	MAIN BOARD, COMPLETE (US, CND)
A-1538-132-A	MAIN BOARD, COMPLETE (AEP, ECE, UK)

****

Part No.	Description
3-531-576-41	RIVET (DIA. 3), NYLON
4-117-852-01	INSULATED PLATE (MAIN-HS)
7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1491	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C1492	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C1493	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C1494	1-109-982-11	CERAMIC CHIP	1uF	10%	10V
C1495	1-125-889-11	CERAMIC CHIP	2.2uF	10%	10V
C1496	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C1498	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2082	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2083	1-163-025-11	CERAMIC CHIP	0.001uF		50V
C2086	1-112-089-11	ELECT	47uF	20%	25V
C2087	1-112-089-11	ELECT	47uF	20%	25V
C2088	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2089	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2090	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2091	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2093	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2094	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2095	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2096	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2097	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2098	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2100	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C2101	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C2102	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C2103	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2189	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2190	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2191	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2192	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2193	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2194	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C2195	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2196	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2197	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2198	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2200	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2201	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2202	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2203	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2204	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2205	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2206	1-112-114-11	ELECT	22uF	20%	50V
C2207	1-112-114-11	ELECT	22uF	20%	50V
C2208	1-112-114-11	ELECT	22uF	20%	50V
C2209	1-112-114-11	ELECT	22uF	20%	50V
C2210	1-112-114-11	ELECT	22uF	20%	50V
C2211	1-112-114-11	ELECT	22uF	20%	50V
C2212	1-112-114-11	ELECT	22uF	20%	50V
C2213	1-112-114-11	ELECT	22uF	20%	50V
C2214	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2290	1-112-114-11	ELECT	22uF	20%	50V
C2300	1-112-114-11	ELECT	22uF	20%	50V
C2310	1-112-114-11	ELECT	22uF	20%	50V
C2320	1-112-114-11	ELECT	22uF	20%	50V
C2330	1-112-114-11	ELECT	22uF	20%	50V
C2331	1-112-114-11	ELECT	22uF	20%	50V
C2340	1-112-114-11	ELECT	22uF	20%	50V
C2350	1-112-114-11	ELECT	22uF	20%	50V
C2360	1-112-114-11	ELECT	22uF	20%	50V
C2370	1-112-114-11	ELECT	22uF	20%	50V
C2390	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C2391	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C2392	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C2393	1-112-114-11	ELECT	22uF	20%	50V
C2394	1-112-114-11	ELECT	22uF	20%	50V
C2395	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2490	1-114-953-11	ELECT (BLOCK)	8200uF	20%	71V
C2491	1-114-953-11	ELECT (BLOCK)	8200uF	20%	71V
C2492	1-137-350-11	FILM	0.015uF	5%	100V
C2493	1-137-350-11	FILM	0.015uF	5%	100V
⚠ C2494	1-107-373-51	MYLAR	0.33uF	10%	200V
C2495	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2497	1-112-422-11	ELECT	470uF	20%	25V
C2498	1-112-422-11	ELECT	470uF	20%	25V
C2499	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2500	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2501	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2503	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2504	1-112-422-11	ELECT	470uF	20%	25V
C2507	1-112-422-11	ELECT	470uF	20%	25V
C2508	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C2511	1-137-350-11	FILM	0.015uF	5%	100V
C2512	1-137-350-11	FILM	0.015uF	5%	100V
C2513	1-112-093-11	ELECT	2200uF	20%	25V
C2514	1-112-093-11	ELECT	2200uF	20%	25V
⚠ C2517	1-107-373-51	MYLAR	0.33uF	10%	200V

MAIN

Ref. No.	Part No.	Description				Remark
C4001	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C4002	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C4003	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C5090	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C5091	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C5092	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C5093	1-137-395-91	MYLAR	0.022uF	5%	100V	
C5094	1-137-395-91	MYLAR	0.022uF	5%	100V	
C5095	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C5096	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C5097	1-137-395-91	MYLAR	0.022uF	5%	100V	
C6305	1-112-077-11	ELECT	1000uF	20%	6.3V	
		< CONNECTOR >				
CN1001	1-784-930-11	PIN, CONNECTOR 15P				
CN1005	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P				
CN1006	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P				
CN1203	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P				
CN1204	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P				
CN1399	1-785-101-11	PIN, CONNECTOR (3.96mm PITCH) 3P				
CN1403	1-785-103-11	PIN, CONNECTOR (3.96mm PITCH) 5P				
CN1405	1-785-102-11	PIN, CONNECTOR (3.96mm PITCH) 4P				
* CN1408	1-564-507-11	PLUG, CONNECTOR 4P				
		< DIODE >				
D1001	6-501-817-01	DIODE	MA2J1110GLS0			
D1002	6-501-817-01	DIODE	MA2J1110GLS0			
D1003	6-501-817-01	DIODE	MA2J1110GLS0			
D1004	6-501-817-01	DIODE	MA2J1110GLS0			
D1005	6-501-817-01	DIODE	MA2J1110GLS0			
D1101	6-501-817-01	DIODE	MA2J1110GLS0			
D1102	6-501-817-01	DIODE	MA2J1110GLS0			
D1103	6-501-817-01	DIODE	MA2J1110GLS0			
D1104	6-501-817-01	DIODE	MA2J1110GLS0			
D1105	6-501-817-01	DIODE	MA2J1110GLS0			
D1401	8-719-302-38	DIODE	RBV-602-01			
D1403	6-501-817-01	DIODE	MA2J1110GLS0			
D1405	8-719-053-18	DIODE	1SR154-400TE-25			
D1406	8-719-053-18	DIODE	1SR154-400TE-25			
D1407	8-719-053-18	DIODE	1SR154-400TE-25			
D1408	8-719-053-18	DIODE	1SR154-400TE-25			
D1411	8-719-072-05	DIODE	RBV-602LF-A			
D1413	6-501-817-01	DIODE	MA2J1110GLS0			
D1414	6-501-817-01	DIODE	MA2J1110GLS0			
D2190	6-501-817-01	DIODE	MA2J1110GLS0			
D2191	6-501-817-01	DIODE	MA2J1110GLS0			
D2192	6-501-817-01	DIODE	MA2J1110GLS0			
D2193	6-501-817-01	DIODE	MA2J1110GLS0			
D2194	6-501-817-01	DIODE	MA2J1110GLS0			
D2195	6-501-817-01	DIODE	MA2J1110GLS0			
D2196	6-501-817-01	DIODE	MA2J1110GLS0			
D2197	6-501-817-01	DIODE	MA2J1110GLS0			
D4001	6-501-817-01	DIODE	MA2J1110GLS0			
D4002	6-501-817-01	DIODE	MA2J1110GLS0			
D4003	6-501-817-01	DIODE	MA2J1110GLS0			
		< FERRITE BEAD >				
FB1499	1-469-152-11	FERRITE, EMI (SMD) (2012)				

Ref. No.	Part No.	Description				Remark
		< FUSE HOLDER >				
FH1401	1-533-233-11	FUSE HOLDER				
FH1402	1-533-233-11	FUSE HOLDER				
FH1451	1-533-233-11	FUSE HOLDER				
FH1452	1-533-233-11	FUSE HOLDER				
		< IC >				
IC1236	6-705-469-01	IC BA50BC0FP-E2				
IC1499	6-705-067-01	IC MAX232DR				
IC2090	6-709-811-01	IC TC9274CNG-016				
IC2290	8-759-710-97	IC NJM4565M-D				
IC2300	8-759-710-97	IC NJM4565M-D				
IC2310	8-759-710-97	IC NJM4565M-D				
IC2311	8-759-710-97	IC NJM4565M-D				
IC2320	8-759-710-97	IC NJM4565M-D				
IC2390	6-709-809-01	IC TC9273CFG-012 (EL)				
IC2391	8-759-710-97	IC NJM4565M-D				
IC2392	8-759-710-97	IC NJM4565M-D				
IC2490	8-759-390-54	IC uPC2415AHF				
IC2491	8-759-392-19	IC uPC7915AHF				
IC2494	6-702-381-01	IC SI-3011ZD-TL				
		< JACK >				
J1001	1-784-429-11	JACK, PIN 4P (MULTI CHANNEL INPUT SA-CD/CD IN/FRONT)				
J1002	1-821-676-11	JACK, PIN 6P (MULTI CHANNEL INPUT SURROUND/SUR BACK/CENTER/SUBWOOFER)				
J1101	1-794-981-11	JACK, PIN 4P (PRE OUT FRONT/SURROUND)				
J1102	1-766-398-21	JACK, PIN 4P (PRE OUT SUR BACK/CENTER/SUBWOOFER)				
J1499	1-815-737-11	CONNECTOR, (D) SUB 9P (RS-232C)				
		< TRANSISTOR >				
Q1101	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q1102	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q1103	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q1104	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q1105	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q1401	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q1402	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q4001	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q4002	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q4003	8-729-230-49	TRANSISTOR	2SC2712-YG			
		< RESISTOR >				
R1498	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R1499	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2084	1-208-526-41	RES-CHIP	47K	2%	1/10W	
R2085	1-208-526-41	RES-CHIP	47K	2%	1/10W	
⚠ R2086	1-249-399-91	CARBON	33	5%	1/4W	F
⚠ R2087	1-249-399-91	CARBON	33	5%	1/4W	F
R2088	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2089	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2099	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2100	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2101	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2102	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2103	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2104	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2105	1-208-437-41	RES-CHIP	1K	2%	1/10W	

Ref. No.	Part No.	Description				Remark
R2106	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2107	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2190	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2191	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2192	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2193	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2194	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2195	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2196	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2197	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2198	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2199	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2200	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2201	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2202	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2203	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2204	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2205	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠ R2206	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R2207	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R2208	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R2209	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R2210	1-249-397-91	CARBON	22	5%	1/4W	F
R2211	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2212	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2213	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2214	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2215	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2216	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
⚠ R2217	1-249-409-91	CARBON	220	5%	1/4W	F
R2219	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2220	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2223	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2224	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R2226	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2227	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2228	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2229	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2230	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2231	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2232	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2233	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2290	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2300	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2310	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2320	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2340	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2350	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2360	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
R2370	1-216-699-11	METAL CHIP	100K	0.5%	1/10W	
⚠ R2390	1-249-399-91	CARBON	33	5%	1/4W	F
⚠ R2391	1-249-399-91	CARBON	33	5%	1/4W	F
R2392	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2393	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2394	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2395	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2396	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2397	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2398	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R2399	1-208-462-41	RES-CHIP	10K	2%	1/10W	

Ref. No.	Part No.	Description				Remark
R2400	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	
R2401	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	
R2402	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2403	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R2404	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	
R2405	1-208-810-11	METAL CHIP	15K	0.5%	1/10W	
R2406	1-208-437-41	RES-CHIP	1K	2%	1/10W	
⚠ R2490	1-249-399-91	CARBON	33	5%	1/4W	F
R2492	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R2493	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠ R2494	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R2496	1-215-867-21	METAL OXIDE	470	5%	1W	F
⚠ R2497	1-215-867-21	METAL OXIDE	470	5%	1W	F
R2500	1-216-295-91	SHORT CHIP	0			
R2501	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2503	1-208-437-41	RES-CHIP	1K	2%	1/10W	
R2504	1-208-774-11	METAL CHIP	470	0.5%	1/10W	
R2505	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠ R2506	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R2507	1-249-399-91	CARBON	33	5%	1/4W	F
⚠ R5090	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R5091	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R5092	1-249-393-91	CARBON	10	5%	1/4W	F
R5095	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5096	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5097	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5098	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R5099	1-208-462-41	RES-CHIP	10K	2%	1/10W	
R5100	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠ R5101	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R5102	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R5103	1-249-393-91	CARBON	10	5%	1/4W	F
R5104	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5105	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5106	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5107	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R5108	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
		< RELAY >				
RY1101	1-755-486-11	RELAY				
RY1102	1-755-486-11	RELAY				
RY1103	1-755-486-11	RELAY				
RY1104	1-755-486-11	RELAY				
RY1105	1-755-486-11	RELAY				
RY1401	1-755-486-11	RELAY				
RY1402	1-755-031-11	RELAY				
RY4001	1-515-920-11	RELAY (24V)				
RY4002	1-515-920-11	RELAY (24V)				
RY4003	1-515-920-11	RELAY (24V)				
		< TERMINAL >				
⚠ TM4001	1-780-405-11	TERMINAL BOARD (SP) (2P) (SPEAKERS CENTER)				
⚠ TM4002	1-780-404-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT A/FRONT B)				

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Ref. No.	Part No.	Description	Remark
		MAIN VOL BOARD	
		**************	
		< CONNECTOR >	
* CN712	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
		< ROTARY ENCODER >	
S722	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)	

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Ref. No.	Part No.	Description	Remark
		MIC BOARD	
		*********	
		< CAPACITOR >	
C755	1-164-230-11	CERAMIC CHIP 220PF 5% 50V	
		< CONNECTOR >	
CN718	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
		< DIODE >	
D717	6-501-817-01	DIODE MA2J1110GLS0	
D718	6-501-817-01	DIODE MA2J1110GLS0	
		< JACK >	
J701	1-820-056-11	SMALL TYPE JACK (AUTO CAL MIC)	
		< LEAD >	
W701	1-775-377-21	LEAD (WITH CONNECTOR)	

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Ref. No.	Part No.	Description	Remark
	A-1530-376-A	POWER AMP BOARD, COMPLETE	
		***************************	
		< CAPACITOR >	
C1512	1-107-597-11	CERAMIC 22PF 5% 500V	
C1513	1-107-597-11	CERAMIC 22PF 5% 500V	
C1562	1-107-597-11	CERAMIC 22PF 5% 500V	
C1563	1-107-597-11	CERAMIC 22PF 5% 500V	
C1612	1-107-597-11	CERAMIC 22PF 5% 500V	
C1613	1-107-597-11	CERAMIC 22PF 5% 500V	
C1712	1-107-597-11	CERAMIC 22PF 5% 500V	
C1713	1-107-597-11	CERAMIC 22PF 5% 500V	
C1762	1-107-597-11	CERAMIC 22PF 5% 500V	
C1763	1-107-597-11	CERAMIC 22PF 5% 500V	
C1812	1-107-597-11	CERAMIC 22PF 5% 500V	
C1813	1-107-597-11	CERAMIC 22PF 5% 500V	
C1862	1-107-597-11	CERAMIC 22PF 5% 500V	
C1863	1-107-597-11	CERAMIC 22PF 5% 500V	
C1903	1-128-563-11	ELECT 100uF 20% 100V	
C1904	1-128-563-11	ELECT 100uF 20% 100V	
		< CONNECTOR >	
CN1510	1-573-846-11	CONNECTOR, BOARD TO BOARD 14P	
CN1572	1-766-600-21	CONNECTOR, BOARD TO BOARD 7P	
CN1703	1-573-846-11	CONNECTOR, BOARD TO BOARD 14P	
CN1872	1-573-846-11	CONNECTOR, BOARD TO BOARD 14P	
CN1903	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P	
CN1904	1-573-844-11	CONNECTOR, BOARD TO BOARD 12P	
		< COIL >	
L1501	1-420-872-52	COIL, AIR-CORE	
L1551	1-420-872-52	COIL, AIR-CORE	
L1601	1-420-872-52	COIL, AIR-CORE	
L1701	1-420-872-52	COIL, AIR-CORE	
L1751	1-420-872-52	COIL, AIR-CORE	
L1801	1-420-872-52	COIL, AIR-CORE	
L1851	1-420-872-52	COIL, AIR-CORE	
		< RESISTOR >	
⚠ R1515	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1516	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1517	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1518	1-249-393-91	CARBON 10 5% 1/4W	F
⚠ R1565	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1566	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1567	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1568	1-249-393-91	CARBON 10 5% 1/4W	F
⚠ R1615	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1616	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1617	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1618	1-249-393-91	CARBON 10 5% 1/4W	F
⚠ R1715	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1716	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1717	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1718	1-249-393-91	CARBON 10 5% 1/4W	F
⚠ R1765	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1766	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1767	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1768	1-249-393-91	CARBON 10 5% 1/4W	F
⚠ R1815	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1816	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1817	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1818	1-249-393-91	CARBON 10 5% 1/4W	F
⚠ R1865	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1866	1-234-572-21	ENCAPSULATED COMPONENT 0.22 5W	F
⚠ R1867	1-249-405-91	CARBON 100 5% 1/4W	F
⚠ R1868	1-249-393-91	CARBON 10 5% 1/4W	F

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Ref. No.	Part No.	Description	Remark
	A-1530-381-A	PROTECTOR (F-C) BOARD, COMPLETE	
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		< CAPACITOR >	
C1522	1-128-813-11	CERAMIC 220PF 5% 50V	
C1523	1-136-153-00	MYLAR 0.01uF 5% 50V	
C1524	1-126-964-11	ELECT 10uF 20% 50V	
C1572	1-128-813-11	CERAMIC 220PF 5% 50V	
C1573	1-136-153-00	MYLAR 0.01uF 5% 50V	
C1574	1-126-964-11	ELECT 10uF 20% 50V	
C1622	1-128-813-11	CERAMIC 220PF 5% 50V	
C1623	1-136-153-00	MYLAR 0.01uF 5% 50V	
C1624	1-126-964-11	ELECT 10uF 20% 50V	
		< CONNECTOR >	
CN1501	1-766-715-21	CONNECTOR, BOARD TO BOARD 10P	
* CN1503	1-774-876-21	CONNECTOR, BOARD TO BOARD 8P	
* CN1521	1-573-828-11	CONNECTOR, BOARD TO BOARD 14P	
* CN1561	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P	
CN1571	1-766-724-11	CONNECTOR, BOARD TO BOARD 7P	

Ref. No.	Part No.	Description				Remark
* CN1611	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
		< DIODE >				
D1521	8-719-991-33	DIODE 1SS133T-77				
D1522	8-719-991-33	DIODE 1SS133T-77				
D1571	8-719-991-33	DIODE 1SS133T-77				
D1572	8-719-991-33	DIODE 1SS133T-77				
D1621	8-719-991-33	DIODE 1SS133T-77				
D1622	8-719-991-33	DIODE 1SS133T-77				
		< TRANSISTOR >				
Q1522	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1523	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1524	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q1572	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1573	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1574	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q1622	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1623	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1624	8-729-119-78	TRANSISTOR	2SC2785-HFE			
		< RESISTOR >				
R1525	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1526	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1527	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1528	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1529	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1530	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1531	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1532	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1533	1-247-871-91	CARBON	47K	5%	1/4W	
R1534	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1535	1-249-439-11	CARBON	68K	5%	1/4W	
R1536	1-216-105-91	METAL CHIP	220K	5%	1/10W	
R1575	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1576	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1577	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1578	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1579	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1580	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1581	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1582	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1583	1-247-871-91	CARBON	47K	5%	1/4W	
R1584	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1585	1-249-439-11	CARBON	68K	5%	1/4W	
R1586	1-216-105-91	METAL CHIP	220K	5%	1/10W	
R1625	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1626	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1627	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1628	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1629	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1630	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1631	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1632	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1633	1-247-871-91	CARBON	47K	5%	1/4W	
R1634	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1635	1-249-439-11	CARBON	68K	5%	1/4W	
R1636	1-216-105-91	METAL CHIP	220K	5%	1/10W	

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Ref. No.	Part No.	Description				Remark
	A-1530-383-A	PROTECTOR (SB) BOARD, COMPLETE				
		******************************				
		< CAPACITOR >				
C1822	1-128-813-11	CERAMIC	220PF	5%	50V	
C1823	1-136-153-00	MYLAR	0.01uF	5%	50V	
C1824	1-126-964-11	ELECT	10uF	20%	50V	
C1872	1-128-813-11	CERAMIC	220PF	5%	50V	
C1873	1-136-153-00	MYLAR	0.01uF	5%	50V	
C1874	1-126-964-11	ELECT	10uF	20%	50V	
		< CONNECTOR >				
CN1801	1-573-846-11	CONNECTOR, BOARD TO BOARD 14P				
* CN1861	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
* CN1871	1-573-828-11	CONNECTOR, BOARD TO BOARD 14P				
		< DIODE >				
D1821	8-719-991-33	DIODE 1SS133T-77				
D1822	8-719-991-33	DIODE 1SS133T-77				
D1871	8-719-991-33	DIODE 1SS133T-77				
D1872	8-719-991-33	DIODE 1SS133T-77				
		< TRANSISTOR >				
Q1822	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1823	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1824	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q1872	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1873	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1874	8-729-119-78	TRANSISTOR	2SC2785-HFE			
		< RESISTOR >				
R1825	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1826	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1827	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1828	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1829	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1830	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1831	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1832	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1833	1-247-871-91	CARBON	47K	5%	1/4W	
R1834	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1835	1-249-439-11	CARBON	68K	5%	1/4W	
R1836	1-216-105-91	METAL CHIP	220K	5%	1/10W	
R1875	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1876	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1877	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1878	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1879	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1880	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1881	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1882	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1883	1-247-871-91	CARBON	47K	5%	1/4W	
R1884	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1885	1-249-439-11	CARBON	68K	5%	1/4W	
R1886	1-216-105-91	METAL CHIP	220K	5%	1/10W	

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PROTECTOR (SURR) | SPSW | SPTM

Ref. No.	Part No.	Description				Remark
	A-1530-382-A	PROTECTOR (SURR) BOARD, COMPLETE				
		*********************************				
		< CAPACITOR >				
C1722	1-128-813-11	CERAMIC	220PF	5%	50V	
C1723	1-136-153-00	MYLAR	0.01uF	5%	50V	
C1724	1-126-964-11	ELECT	10uF	20%	50V	
C1772	1-128-813-11	CERAMIC	220PF	5%	50V	
C1773	1-136-153-00	MYLAR	0.01uF	5%	50V	
C1774	1-126-964-11	ELECT	10uF	20%	50V	
		< CONNECTOR >				
* CN1701	1-573-828-11	CONNECTOR, BOARD TO BOARD 14P				
CN1704	1-573-846-11	CONNECTOR, BOARD TO BOARD 14P				
* CN1761	1-564-720-11	PIN, CONNECTOR (SMALL TYPE) 4P				
		< DIODE >				
D1721	8-719-991-33	DIODE 1SS133T-77				
D1722	8-719-991-33	DIODE 1SS133T-77				
D1771	8-719-991-33	DIODE 1SS133T-77				
D1772	8-719-991-33	DIODE 1SS133T-77				
		< TRANSISTOR >				
Q1722	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1723	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1724	8-729-119-78	TRANSISTOR	2SC2785-HFE			
Q1772	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1773	8-729-042-09	TRANSISTOR	2SA1038S-RSE-TP			
Q1774	8-729-119-78	TRANSISTOR	2SC2785-HFE			
		< RESISTOR >				
R1725	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1726	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1727	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1728	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1729	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1730	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1731	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1732	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1733	1-247-871-91	CARBON	47K	5%	1/4W	
R1734	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1735	1-249-439-11	CARBON	68K	5%	1/4W	
R1736	1-216-105-91	METAL CHIP	220K	5%	1/10W	
R1775	1-216-065-91	METAL CHIP	4.7K	5%	1/10W	
⚠ R1776	1-240-855-91	CARBON	6.2K	5%	1/4W	F
R1777	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R1778	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1779	1-216-080-00	METAL CHIP	20K	5%	1/10W	
R1780	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R1781	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R1782	1-216-077-91	METAL CHIP	15K	5%	1/10W	
R1783	1-247-871-91	CARBON	47K	5%	1/4W	
R1784	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R1785	1-249-439-11	CARBON	68K	5%	1/4W	
R1786	1-216-105-91	METAL CHIP	220K	5%	1/10W	

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Ref. No.	Part No.	Description				Remark
	A-1252-357-A	SPSW BOARD, COMPLETE				
		**********************				
		< DIODE >				
D711	6-501-817-01	DIODE MA2J1110GLS0				
D712	6-501-817-01	DIODE MA2J1110GLS0				
		< RESISTOR >				
R780	1-216-025-11	METAL CHIP	100	5%	1/10W	
R781	1-216-025-11	METAL CHIP	100	5%	1/10W	
R782	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R783	1-216-089-91	METAL CHIP	47K	5%	1/10W	
		< SWITCH >				
S724	1-762-684-11	SWITCH, ROTARY (SPEAKERS)				

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Ref. No.	Part No.	Description				Remark
		SPTM BOARD				
		***********				
		< CAPACITOR >				
C4101	1-137-395-91	MYLAR	0.022uF	5%	100V	
C4102	1-137-395-91	MYLAR	0.022uF	5%	100V	
C4103	1-137-395-91	MYLAR	0.022uF	5%	100V	
C4104	1-137-395-91	MYLAR	0.022uF	5%	100V	
C4105	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C4106	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C4107	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C4108	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C4109	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
C4110	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V	
		< CONNECTOR >				
CX4101	1-785-105-11	PIN, CONNECTOR (3.96mm PITCH) 7P				
CX4102	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P				
CX4103	1-784-921-11	PIN, CONNECTOR 4P				
		< DIODE >				
D4101	6-501-817-01	DIODE MA2J1110GLS0				
D4102	6-501-817-01	DIODE MA2J1110GLS0				
		< TRANSISTOR >				
Q4101	8-729-230-49	TRANSISTOR	2SC2712-YG			
Q4102	8-729-230-49	TRANSISTOR	2SC2712-YG			
		< RESISTOR >				
R4101	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
R4102	1-208-445-41	RES-CHIP	2.2K	2%	1/10W	
⚠ R4103	1-249-393-91	CARBON	10	5%	1/4W	F
R4104	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠ R4105	1-249-393-91	CARBON	10	5%	1/4W	F
R4106	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠ R4107	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R4108	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R4109	1-249-393-91	CARBON	10	5%	1/4W	F
⚠ R4110	1-249-393-91	CARBON	10	5%	1/4W	F
		< RELAY >				
RY4101	1-515-920-11	RELAY (24V)				
RY4102	1-515-920-11	RELAY (24V)				

Ref. No.	Part No.	Description			Remark
		< TERMINAL >			
⚠ TM4101	1-780-404-11	TERMINAL BOARD (SP) (8P)(SPEAKERS SURROUND/SURROUND BACK (ZONE 2))			

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TEMPERATURE DETECTION BOARD
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Ref. No.	Part No.	Description				Remark
		< CAPACITOR >				
C1909	1-127-888-11	CERAMIC	0.1uF	10%	50V	
C1910	1-135-800-11	CERAMIC	1uF		50V	
C1913	1-135-800-11	CERAMIC	1uF		50V	
		< DIODE >				
D1906	8-719-109-93	DIODE RD6.2ESB2				
		< IC >				
⚠ IC1903	6-710-072-01	IC LM61CIZ/LFT2				
⚠ IC1905	6-710-072-01	IC LM61CIZ/LFT2				
		< RESISTOR >				
R1928	1-249-414-11	CARBON	560	5%	1/4W	

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VIDEO 3 BOARD
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Ref. No.	Part No.	Description				Remark
		< CAPACITOR >				
C757	1-104-665-11	ELECT	100uF	20%	25V	
C758	1-104-665-11	ELECT	100uF	20%	25V	
C759	1-163-025-11	CERAMIC CHIP	0.001uF		50V	
C760	1-163-025-11	CERAMIC CHIP	0.001uF		50V	
C761	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C762	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C763	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	
C764	1-165-319-11	CERAMIC CHIP	0.1uF		50V	
C765	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	
C766	1-163-139-00	CERAMIC CHIP	820PF	5%	50V	
C767	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
C768	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	
C769	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	
		< CONNECTOR >				
CN721	1-784-923-11	PIN, CONNECTOR 7P				
CN723	1-779-978-11	PIN, CONNECTOR 3P				
CN725	1-784-922-11	PIN, CONNECTOR 5P				
CN728	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P				
		< DIODE >				
D713	6-501-817-01	DIODE MA2J1110GLS0				
D714	6-501-817-01	DIODE MA2J1110GLS0				
D715	6-501-817-01	DIODE MA2J1110GLS0				
D716	6-501-817-01	DIODE MA2J1110GLS0				
		< EARTH TERMINAL >				
* ET702	1-537-738-21	TERMINAL, EARTH				
* ET703	1-537-738-21	TERMINAL, EARTH				
		< IC >				
IC706	8-759-710-97	IC NJM4565M-D				
IC707	6-600-219-01	IC GP1FM313RZ0F(VIDEO 2 IN/ PORTABLE AV IN DIGITAL (OPT))				
		< JACK >				
J702	1-815-313-11	JACK (PHONES)				
J703	1-770-571-11	JACK BLOCK, PIN (L TYPE) 3P (VIDEO 2 IN/ PORTABLE AV IN AUDIO/VIDEO)				
		< RESISTOR >				
R762	1-216-025-11	METAL CHIP	100	5%	1/10W	
R763	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R764	1-216-049-11	METAL CHIP	1K	5%	1/10W	
R765	1-211-990-11	METAL CHIP	75	0.5%	1/10W	
R768	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R769	1-216-089-91	METAL CHIP	47K	5%	1/10W	
R770	1-216-295-91	SHORT CHIP	0			
R774	1-216-295-91	SHORT CHIP	0			
R775	1-216-295-91	SHORT CHIP	0			
R776	1-216-295-91	SHORT CHIP	0			
R785	1-216-295-91	SHORT CHIP	0			

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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS **************	
3	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (US, CND)	
52	1-693-728-31	TUNER (FM/AM) (US, CND)	
52	1-693-737-21	TUNER (FM/AM) (AEP, ECE, UK)	
55	1-828-327-51	WIRE (FLAT TYPE) (13 CORE)	
103	1-500-082-11	CLAMP, SLEEVE FERRITE (US, CND)	
108	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
252	1-500-386-11	FILTER, CLAMP (FERRITE CORE)	
304	1-823-669-51	WIRE (FLAT TYPE) (11 CORE) (AEP, ECE, UK)	
304	1-828-956-51	WIRE (FLAT TYPE) (9 CORE) (US, CND)	
⚠ 405	1-821-082-21	INLET, AC 2P (～AC IN)	
⚠ F001	1-532-504-33	FUSE (T4AL/250V) (AEP, ECE, UK)	
⚠ F001	1-533-311-12	FUSE, GLASS CYLINDRICAL (DIA.5) (8A/125V) (US, CND)	
⚠ F03	1-533-420-12	FUSE, GLASS CYLINDRICAL (DIA.5) (5A/125V) (US, CND)	
⚠ F1403	1-532-504-33	FUSE (T4AL/250V)	
⚠ F1404	1-532-504-33	FUSE (T4AL/250V)	
⚠ F1405	1-532-506-33	FUSE (T6.3AL/250V)	
Q1507	8-729-051-92	TRANSISTOR 2SD2560	
Q1508	8-729-051-93	TRANSISTOR 2SB1647	
Q1521	8-729-026-08	TRANSISTOR 2SC4495	
Q1557	8-729-051-92	TRANSISTOR 2SD2560	
Q1558	8-729-051-93	TRANSISTOR 2SB1647	
Q1571	8-729-026-08	TRANSISTOR 2SC4495	
Q1607	8-729-051-92	TRANSISTOR 2SD2560	
Q1608	8-729-051-93	TRANSISTOR 2SB1647	
Q1621	8-729-026-08	TRANSISTOR 2SC4495	
Q1707	8-729-051-92	TRANSISTOR 2SD2560	
Q1708	8-729-051-93	TRANSISTOR 2SB1647	
Q1721	8-729-026-08	TRANSISTOR 2SC4495	
Q1757	8-729-051-92	TRANSISTOR 2SD2560	
Q1758	8-729-051-93	TRANSISTOR 2SB1647	
Q1771	8-729-026-08	TRANSISTOR 2SC4495	
Q1807	8-729-051-92	TRANSISTOR 2SD2560	
Q1808	8-729-051-93	TRANSISTOR 2SB1647	
Q1821	8-729-026-08	TRANSISTOR 2SC4495	
Q1857	8-729-051-92	TRANSISTOR 2SD2560	
Q1858	8-729-051-93	TRANSISTOR 2SB1647	
Q1871	8-729-026-08	TRANSISTOR 2SC4495	
⚠ T1	1-445-239-11	TRANSFORMER, POWER (AEP, ECE, UK)	
⚠ T1	1-445-471-11	POWER SOURCE TRANSFORMER (US, CND)	

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Ref. No.	Part No.	Description	Remark
		ACCESSORIES ************	
	1-501-374-12	ANTENNA, LOOP (AM loop antenna (aerial))	
	1-501-807-12	ANTENNA (FM) (FM wire antenna (aerial)) (AEP, ECE, UK)	
	1-542-644-21	MEASUREMENT MIC (STEREO) (Optimizer microphone: ECM-AC1)	
	1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM wire antenna (aerial)) (US, CND)	
⚠	1-824-964-13	CORD, POWER (AC power cord (mains lead)) (US, CND)	
⚠	1-831-474-11	CORD, POWER (AC power cord (mains lead)) (AEP, ECE)	
⚠	1-833-794-11	CORD, POWER (AC power cord (mains lead)) (UK)	
	3-874-953-11	MANUAL, INSTRUCTION (GREEK) (AEP, ECE)	
	3-874-953-21	MANUAL, INSTRUCTION (HUNGARIAN, CZECH) (AEP, ECE)	
	3-874-953-31	MANUAL, INSTRUCTION (TURKISH) (AEP, ECE)	
	3-874-953-41	MANUAL, INSTRUCTION (SLOVAKIAN) (AEP, ECE)	
	3-875-810-13	MANUAL, INSTRUCTION (ENGLISH, FRENCH)	
	3-875-810-22	MANUAL, INSTRUCTION (SPANISH, GERMAN) (AEP, ECE)	
	3-875-810-32	MANUAL, INSTRUCTION (DUTCH, ITALIAN) (AEP, ECE)	
	3-875-810-42	MANUAL, INSTRUCTION (SWEDISH, POLISH) (AEP, ECE)	
	3-875-810-51	MANUAL, INSTRUCTION (DANISH, FINNISH) (AEP, ECE)	
	3-875-810-61	MANUAL, INSTRUCTION (PORTUGUESE) (AEP, ECE)	
	3-875-810-71	MANUAL, INSTRUCTION (RUSSIAN) (AEP, ECE)	
	A-1542-905-A	RM-AAP027 (Zone2/Zone3 remote commander)	
	A-1542-907-A	RM-AAL013 (Main remote commander) (US, CND)	
	A-1542-908-A	RM-AAL014 (Main remote commander) (AEP, ECE, UK)	

MEMO

REVISION HISTORY

Checking the version allows you to jump to the revised page.
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Ver.	Date	Description of Revision
1.0	2008.08	New